

Volume

#

R0373

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FIELD NOTES

OF THE SURVEY OF THE

Of the Meridian,

In the State of

EXECUTED BY

In the capacity of U. S. Surveyor....., under instructions dated....., 191....,
issued by the United States Surveyor General to govern surveys included in
Group No., which were approved by the Commissioner of the General Land
Office,, 191...., pursuant to authority contained in the Act of
Congress dated, 191....

Survey commenced, 191....

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Survey commenced, 191....

Survey completed 191....

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FIELD NOTES

FILED

OF THE SURVEY OF THE

FRACTIONAL

SUBDIVISION, RE-MEASUREMENTS, AND RESURVEYS IN T.14 S., R.9 E.

SALT LAKE AREA AND

STATE OF UTAH.

AS SURVEYED BY

Clarence S. Davis

United States District Surveyor

Under his Contract No. 517

dated January 10, 1910.

Survey commenced November 4, 1910.

Survey completed November 23, 1910.

NAMES AND DUTIES OF ASSISTANTS.

Ivan Pace Chairman
J. William Betz Chairman
Harry Bryner Measurer
Lewis H. McCarty Arman
Edward McMurray Flagman

For preliminary affidavits see Book "B"
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



Retracement of S.bdy. of T. 14 S., R. 9 E., Salt Lake Base and Mer.

Survey commenced November 4, 1910, and executed with a Bausch, Lomb, and Saegmuller transit No. 8375, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to thirty seconds of arc; while one minute is the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 27, 1910.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

At the old established cor. of secs. 1, 2, 35, and 36, on S.bdy. of Tp. 14 S., R. 9 E., Salt Lake Base and Meridian; latitude $39^{\circ}33'01''$ N.; longitude $110^{\circ}54'18''$ W.; I set off $39^{\circ}33'$ N. on the lat. arc; $15^{\circ}15'$ S. on the decl. arc; and, at 3 h 44 m p.m., l.m.t., determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

Nov. 4, 1910.

Nov. 5, 1910: At 4 h 29.8 m a.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}31'30''$ to the east, and mark the meridian thus determined, by cutting a small groove in the stone set Nov. 4th, on which the meridian falls 0.3 ins.

Retracement of S. bdy. of T.14 S., R.9 E.

Chains.

west of the mark determined with the solar.

At 7 h 58 m a.m., l.m.t., I set off $39^{\circ}33'N.$ on the lat. arc; $15^{\circ}30'S.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. west of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for the meridian, respectively about $0'16''$ east and $0'16''$ west of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8 h 00 m a.m., l.m.t., is $N.16^{\circ}35'W.$; the angle thus determined gives the mag. decl. $16^{\circ}35'E.$

The cor. of secs. 1, 2, 35, and 36, on S. bdy. of T.14 S., R.9 E., is a sandstone, $8 \times 10 \times 7$ ins. above ground, finally set, and mkd. and witnessed as described by the surveyor general.

Thence I run

West on a random line bet. secs. 2 and 35, retracing.

40.34 I fall 15 lks. S. of the old established $\frac{1}{2}$ sec. cor., which is a sandstone, $10 \times 10 \times 3$ ins. above ground, finally set, and mkd. and witnessed as described by the surveyor general.

True bearing and distance between corners, $N.69^{\circ}47'W.$, 40.34 chs.

83.58 I fall 69 lks. South of the old established corner of sections 2, 3, 34, and 35, on bluff 450 ft. high, a hard, well preserved sandstone, $8 \times 10 \times 5$ ins. above

Retracement of S. bdy. of T. 14 S., R. 9 E., Salt Lake Base and Mer.

Chains.

ground, firmly set, and mkd. and witnessed as described by the surveyor general.

To better perpetuate this cor., I mark bearing trees as follows:

A pinion pine, 8 ins. diam., bears N.27°E., 56 lks. dist., mkd. T 14 S R 9 E S 35 BT.

A pinion pine, 4 ins. diam., bears S.7°30'E., 60 lks. dist., mkd. T 15 S R 9 E S 2 BT.

A pinion pine, 6 ins. diam., bears S.36°W., 71 lks. dist., mkd. T 15 S R 9 E S 3 BT.

A pinion pine, 4 ins. diam., bears N.32°W., 12 lks. dist., mkd. T 14 S R 9 E S 34 BT.

The true bearing and distance bet. cors. is N. 89°16' W., 43.24 chs.

Thence I run

North on a retracement line bet. secs. 34 and 35.

I fall 1.30 chs. E. of the old established $\frac{1}{4}$ sec. cor., which is a limestone, 6x8x4 ins. above ground, and witnessed as described by the surveyor general.

The true bearing and distance between corners is N.2°49'W., 39.33 chs.

I fall 1.81 chs. E. of the old established cor. of secs. 26, 27, 34, and 35, which is a red sandstone, 12x18x10 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

True bearing and distance bet. cors., N.0°10'E., 40.01 chs.

Retracement of Subdivision of T. 14 S., R. 9 E., Salt Lake Base and M.

Chains.

Because of the large errors found in the S. and W. bdrs.

of sec. 35, I proceed to retrace the remaining bdrs.

East on a retracement line bet. secs. 26 and 35.

40.51

I fall 5 lks. N. of the old established $\frac{1}{4}$ sec. cor., which is a sandstone, 8x12x6 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

True bearing and distance bet. cors., S. 89° 00' E., 40.51 chs.

81.06

Intersect N. and S. line at 14 lks. N. of the old established cor. of secs. 25, 26, 35, and 36, which is a sandstone, 16x16x16 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

True bearing and distance bet. cors., S. 89° 52' E., 40.57 chs.

Nov. 5, 1910: At this cor. I set off 15° 34' S. on the decl. arc; and, at 11 h 44 m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39° 34' N., or within 1' of the proper lat.

South on a retracement line bet. secs. 35 and 36.

40.20

I fall 6 lks. W. of the old $\frac{1}{4}$ sec. cor., which is a sandstone, 6x10x5 ins. above ground, firmly set, and mkd. $\frac{1}{4}$ on W. face, with mound of stone on W.

True bearing and dist. bet. cors., S. 0° 5' E., 40.20 chs.

79.88

Intersect E. and W. line at 4.41 chs. W. of the old established cor. of secs. 1, 2, 35, and 36, heretofore described.

True bearing and dist. bet. cors., S. 6° 16' E., 39.92 chs.

Nov. 5, 1910.

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Tracement of Subdivision of T.14 S. R.9 E. Salt Lake Base and Mer.

Survey commenced Nov.11, 1910, and executed with a Bausch, Lomb, and Saegmuller transit, No.8375, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to thirty seconds of arc, while one minute is the least count of the latitude and declination arcs. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, on April 27, 1910.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m.and p.m. hours, with a meridian established by Polaris observation, I proceed as follows:

At the cor.of secs.26.27.34, and 35, heretofore described; lat. $39^{\circ} 33' 53''$ N.; longitude $110^{\circ} 55' 26''$ W. I set off $39^{\circ} 34'$ N.on the lat.arc & $17^{\circ} 20'$ S.on the decl. arc; and at 3h 44m p.m.l.m.t., determine with the solar a meridian; and mark a point thereof, on a stone firmly set in the ground 5 chs.N.of the cor.

Nov.11, 1910.

Nov.12: At 4h 2.3m.a.m.l.m.t., I observe Polaris at western elongation, in accordance with the Manual, and mark a point in the line thus determined by a tack in a peg driven in the ground 5 chs.N.of my station.

At 7h 30m.a.m.l.m.t., I lay off the azimuth of Polaris $1^{\circ} 31' 30''$ to the west, and mark a point in the meridian thus determined by cutting a small groove in the stone set Nov.11, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7h 44m.a.m.l.m.t., I set off $39^{\circ} 34'$ N.on the lat.arc;

Retracement of Subdivision of T.14.S. R.9.E.

17° 32'S. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 0' 21" west and 0' 16" east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 04m. a.m. is N. 16° 35' W.; the angle thus determined gives the mag. decl. 16° 35' E.

Because of the irregularities already discovered in the old work adjoining this contract, I proceed to retrace the remaining boundaries of the fractional township included in contract NO. 317.

From the sec. cor. already described, I retrace

North bet. secs. 26 and 27

40.17 Intersect the old $\frac{1}{4}$ sec. cor., which is a limestone 6 x 9 x 3 ins. above ground, mkd. and witnessed as described by the surveyor general.

67.38 I fall 12 lks. E. of the W.C. for the cor. of secs. 22, 23, 26, and 27, which is a white sandstone 10 x 10 x 6 ins. above ground, firmly set, and mkd. and witnessed as described by the surveyor general.

True bearing and dist. bet. cor. N. 0° 15' W. 27.21 chs.

From the witness cor. I offset East 11.50 chs.; thence

N. 0° 15' W. 13.31 chs., where

I intersect the old witness cor. for secs. 22, 23, 26, and 27, which is 11.50 chs. E. of true point for cor. secs. 22, 23, 26 & 27, this point being N. 0° 15' W. 40.52 chs. from the $\frac{1}{4}$ sec. cor.

between secs. 26 and 27. The witness cor. is a limestone 6 x 12 x 6 ins. above ground, mkd. and witnessed as de-

Retracement of Subdivision of T.14 S. R.9 E.

Chains.

scribed by the surveyor general, but badly dilapidated. To re-establish this cor.at the corner point, Set an iron post 3 ft.long, 2 ins.diam., 24 ins.in the ground, for witness cor.to cor.of secs.22,23,26, and 27 mkd. on brass cap

T 14 S S 22 in NW

R 9 E S 23 WC in NE,

S 26 in SE; and

S 27 in SW quadrant; from which

A cedar 8 ins.diam.bears N.82°30'E.114 lks.dist.

mkd.WC T 14 S R 9 E S 23 B T

A cedar; 7 ins.diam., bears S.18°30'E. 175 lks.

dist., mkd.W C T 14 S R 9 E S 26 B T

80.69 True point for cor .secs.22,23,26, and 27, corner not set

Thence from the witness cor.at 11.50 chs.E.of the cor. point for secs.22,23,26, and 27, I retrace

North on an offset line in sec.23, 35.00 chs.;

Thence west 11.50 chs.;

Thence north 5.00 chs.to

40.00 I find no trace of old $\frac{1}{4}$ sec.cor.

Set temp. $\frac{1}{4}$ sec.cor.

80.00 I fall 35 lks.W.of the old established cor.of secs.14,15, 22, and 23, which is a limestone 12 x 12 x 3 ins.above ground, firmly set, and mkd.and witnessed as described by the surveyor general.

Thence I run

S.0°15'W.on a true line bet.secs.22 and 23,

40.00 Set an iron post, 3 ft.long, 1 in.diam., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap $\frac{1}{4}$ S 22 in W. half, and S 23 in E.half; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$

~~Retracement of Subdivision of T 14 S. R 2 E~~

Chains.

at base, 1 1/2 ft. high N. of cor.

61.00 Offset east 11.50 chs.; thence S. 0° 15' W.

62.00 The witness cor. to secs. 22, 23, 26, and 27.

From the cor. of secs. 14, 15, 22, and 23, heretofore described, I retrace

North bet. secs. 14 and 15,

63.00 I find no trace of old witness cor. for 1 sec. cor.

I regard this as an unsuitable location at which to re-establish the witness cor. due to the steepness of the slope, therefore at

64.00 Set temp. witness cor. for 1 sec. cor. and

Offset east 15.00 chs.; thence

North 36.00 chs.; thence

West 10.00 chs.; thence

North 16.52 chs. to

65.00 Intersect E. and W. line 43 lks. E. of the old established cor. of secs. 10, 11, 14, and 15, which is a stake 2 ins. diam., 11 ins. above ground, by the remains of a badly disintegrated sandstone, identified by several settlers in this locality as the original cor. of secs. 10, 11, 14, and 15.

to better perpetuate this cor.

Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, mark on brass

17

T 14 S R 10 in NW.

R 2 E S 11 in NE

S 14 in SE; and

S 15 in SW quadrant; dig pits 10 x 10 x 12 ins.

in each sec. 6 1/2 ft. dist.; and raise a mound of earth 4

ft. base, 2 ft. high N. of cor.

Retracement of Subdivision of T 14 S R 9 E

- Chains. Thence I run
 $S 10^{\circ} 18' E$. on true line bet .secs. 14 and 15,
 Over nearly level canon bottom; thru scattering under-
 growth; desc. gradually.
- 6.00 Gordon Creek, 10 lks. wide, 6 ins. deep, in gully, 1.50
 chs. wide, 30 ft deep; course E.
- 16.52 I offset east 15.00 chs.; thence
 $S 10^{\circ} 18' E$. 38.00 chs.; thence
 West 15.00 chs. to
- 54.52 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for witness cor. to the $\frac{1}{4}$ sec. cor., mark on
 brass cap
 $T 14 S W \frac{1}{4}$ in N..
 $R 9 E$ in S.;
 $S 15$ in W. half; and
 $S 14$ in E. half; and raise a mound of stone 2
 ft. base, $1\frac{1}{2}$ ft high W. of cor. Pits impracticable.
- 82.52 The cor. of secs. 14, 15, 22, and 23, heretofore described
 Nov. 12, 1910: At this cor. I set off $17^{\circ} 36' S$. on the
 decl. arc; and at 11 h. 44 m. a. m. l. m. t., observe the
 sun on the meridian; the resulting lat. is $39^{\circ} 36' N$.,
 which is within 1' of the proper lat.
-
- From the cor. of secs. 10, 11, 14, and 15, heretofore de-
 scribed, I retrace,
 North bet. secs. 10 and 11,
 Over nearly level canon bottom, on E. edge of cultivated
 tract; thru scattering undergrowth; asc. gradually.
- 7.73 Telephone line, leading from Price to Clear Creek, Win-
 ter Quarters, and Scofield, bears $N. 81^{\circ} W$. and $S. 81^{\circ} E$.
- 8.75 James Pace's ditch, 3 ft. wide, 2 ft. deep, course $S. 80^{\circ} E$.
- 10.00 Road from Price to Porphyry Bench, bears $N. 80^{\circ} W$. and $S.$
 $80^{\circ} E$.
- Leave canon bottom and begin ascent, bears $N. 80^{\circ} W$. and $S.$

Retracement of Subdivision of T.14 S. R.9 E

Chains. 80°E.; leave undergrowth.

37.19 I fall 25 lks.W.of what appears to be the old $\frac{1}{4}$ sec.cor. which is a sandstone 6x 10 x 4 ins.above ground, mkd. and witnessed as described by the surveyor general, but badly dilapidated. This cor.I destroy, and

Set an iron post 3 ft.long, 1 in.diam., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap $\frac{1}{4}$ S 10 in W. half, and S 11 in E.half; from which

A pinon pine, 7 ins.dia., bears N.71°20'E.265 lks. dist., mkd. $\frac{1}{4}$ S 11 B T

A pinon pine, 4 ins.diam.bears N.37°W. 133 lks. dist., mkd. $\frac{1}{4}$ S 10 B T

True bearing and dist.bet.cors.N.0°23'E.37.19 chs.

81.40 Intersect E.and W.line, 55 lks.W.of the old established cor.of secs.2,3,10 and 11, which is a limestone 16 x 12 x 6 ins.above ground, firmly set, and mkd.and witnessed as described by the surveyor general.

True bearing and dist.bet.cors.N.0°23'E.44.21 chs.

North on a retracement line bet.secs.2 and 3,

35.71 I fall 1.32 chs.W.of what appears to be the old $\frac{1}{4}$ sec.cor., which is a sandstone 5 x 8 x 7 ins.above ground mkd.and witnessed as described by the surveyor general but badly dilapidated.I destroy it, and at cor.point.

Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap $\frac{1}{4}$ S 3 in W. half, and S 2 in E.half; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth 3 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.high W.of cor.

True bearing and dist.bet.cors.N.2°07'E.35.73 chs.

80.24 Intersect N.bay.of Tp., 1.36 chs.W.of the old established cor.of secs.2,3,34, and 35, which is a sandstone 9 x 9 x 9 ins.above ground, firmly set, and mkd.and witnessed as described by the surveyor general. True bearing and dist.bet.cors.N.0°3'E.44.53 chs.

Nov.12, 1910.

Retracement of N. hdy. of T. 14 S., R. 9 E., Salt Lake Base and Mer.

Chains.

- Nov. 18, 1910: At 7 h 44 m a.m., l.m.t., I set off 39° $38'N.$ on the lat. arc; $17^{\circ}49'S.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34, and 35, heretofore described.
- Thence I retrace
- West bet. secs. 3 and 34.
- 40.25 I fall 6 lks. S. of the old established $\frac{1}{4}$ sec. cor., which is a sandstone, $6 \times 10 \times 8$ ins. above ground, mkd. as described by the surveyor general, but with no pits visible. A mound of stone surrounding the corner is somewhat scattered, and this I rebuild.
- 80.49 Intersect N. and S. line, 12 lks. S. of the old cor. of secs. 3, 4, 33, and 34, which is a cedar post, 3×3 ins., 3 ft. long, mkd. and witnessed as described by the surveyor general, but in a dilapidated condition.
- To better perpetuate this cor., at the cor. point,
- Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, mkd. on brass cap
- T 13 S S 33 in NW.,
- R 9 E. S 34 in NE.,
- S 3 in SE., and
- S 4 in SW. quadrant, and
- T 14 S in S. half; dig pits, $18 \times 18 \times 12$ ins., in each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
- True bearing and dist. bet. sec. cors., $N. 89^{\circ}55'W.$, 80.49 chs.
-
- West bet. secs. 4 and 33, on a retracement line.
- 40.15 I fall $10\frac{1}{2}$ lks. S. of the old $\frac{1}{4}$ sec. cor., which is a cedar post, 3×3 ins., 3 ft. long, mkd. and witnessed as described by the surveyor general, but badly

Retracement of N. bdy. of T. 14 S., R. 9 E.,

Chains.

dilapidated. To better perpetuate this cor., at the exact cor. point,

Set an iron post, 3 ft. long, 1 inch diam., 25 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 33 in N. half, and S 4 in S. half; dig pits, 16x16x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

80.66 Intersect N. and S. line, 21 lks. S. of the old established cor. of secs. 4, 5, 32, and 33, which is a sandstone, 12x10x4 ins. above ground, firmly set in mound of stone, and mkd. and witnessed as described by the surveyor general, except that there are no bearing trees.

True bearing and dist. bet. sec. cors., N. 89° 51' W., 80.66 chs.

Nov. 13: At 11 h. 44 m a.m., l.m.t., the sky is overcast and solar observations are impossible.

West on a retracement line bet. secs. 5 and 32.

40.00 I find no trace of old $\frac{1}{4}$ sec. cor.

Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line, 40 lks. N. of the remains of the old established cor. of secs. 5, 6, 31, and 32, which is a cedar post, 3x3 ins., 3 ft. long, mkd. and witnessed as described by the surveyor general, but in a dilapidated condition.

To better perpetuate this cor., at the cor. point

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, mkd. on

brass cap

T. 13 S. S. 31 in NW., to

R. 9 E. S. 32 in NE.,

and S. 5 in SE., and

-13-

Retracement of N. bdy. of T. 14 S., R. 9 E.

Chains. S 6 T 15 S in SW quadrant; from which
 A pinon pine, 9 ins. diam. bears N. 81° E. 44 lks..
 dist., mkd. T 13 S R 9 E S 32 B T
 A cedar 18 ins. dia., bears N. 68° W. 39 lks..
 dist., mkd. T 13 S R 9 E S 31 B T

No other bearing trees required, as a C.C. will be set
 from the south.

Thence I run

N. 89° 43' E. on a true line bet. secs. 5 and 32,

40.00 Set an iron post 3 ft. long, 1 inch diam., 26 ins. in the
 ground and mound of stone, mkd. on brass cap $\frac{1}{4}$ S 32 in
 N. half; and S 5 in S. half; from which

A pinon pine, 7 ins. diam. bears N. 8° E. 62 lks. dist.
 mkd. $\frac{1}{4}$ S 32 B T

A pinon pine, 9 ins. diam. bears S. 14° E. 47 lks. dist.
 mkd. $\frac{1}{4}$ S 5 B T

80.00 The cor. of secs. 4, 5, 32, and 33.

From the cor. of sec. 5, 6, 31, and 32, I retrace

West bet. secs. 6 and 31

40.00 I find no trace of old $\frac{1}{4}$ sec. cor.

78.84 Intersect N. and S. line 30 lks. N. of the old established
 cor. of Township 13 S., Rs. 8 and 9 E., heretofore de-
 scribed.

Thence I run

N. 89° 47' E. on a true line on S. bdy. of sec. 31

3.08 The C.C. of T. 14 S., Rs. 8 and 9 E., heretofore de-
 scribed.

38.82 Set an iron post 3 ft. long, 1 inch diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 31 in N.
 half; and S 6 in S. half; from which

A pinon pine, 14 ins. diam., bears N. 78° E. 76 lks..
 dist., mkd. $\frac{1}{4}$ S 31 B T

A pinon pine, 5 ins. diam., bears S. 59° E. 49 lks.

Retracement of N Bdy of T 14 S. R. 2 E

dist., mkd. $\frac{1}{4}$ S 6 B T

78.84 The cor. of secs. 5, 6, 31, and 32.

Nov. 13, 1910.

Subdivision of T.14 S. R.9 E.

Chains.

For complete description of instrument and test of solar apparatus, see page 1, this book.

Nov. 14, 1910: At 7 h 44 m a.m., l.m.t., I set off 39°

33' N. on the lat. arc; 18° 03' S. on the decl. arc; and

determine a meridian with the solar at the cor. of secs.

53 and 34, on S. bdy. of Tp., heretofore described.

Because of the irregularities found by the retracement of the old subdivisional lines one mile eastward, I run

North bet. secs. 33 and 34, on a sectional guide meridian.

Over mountainous land, thru scattering timber, asc.

5.50 Top of ascent, edge of broad ridge, 200 ft. above sec.

cor., bears N. 70° E. and S. 70° W.

Leave scattering and enter heavy timber, bears E. and W.

Desc. gradually.

16.18 Leave ridge top, and begin steep descent, bears E. and W.

Leave heavy and enter scattering timber, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 33 in W. half; and S 34 in E. half; from which

A pinion pine, 8 ins. diam., bears N. 87° E., 35 lks. dist.; mkd. $\frac{1}{4}$ S 34 BT.

A pinion pine, 6 ins. diam., bears W., 8 lks. dist., mkd. $\frac{1}{4}$ S 33 BT.

46.50 Bottom of Horse Canon, 500 ft. below ridge, course N. 70° E.

Ascend over boulders and ledges.

58.30 Top of ledges, bears N. 30° E. and S. 30° W.

68.50 Top of ascent, 500 ft. above canon, bears NE. and SW.

Leave scattering and enter heavy timber, bears NE. and SW.

Thence over mesa.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, mkd. on brass cap

T 14 S S 28 in NW.,

R. 9 E S 27 in NE.,

S 34 in SE., and

Subdivision of T.14 S. R.9 E.

Chains.

S 33 in SW. quadrant; from which

A pinion pine, 12 ins. diam., bears N.87°E., 62
lks. dist., mkd. T 14 S R 9 E S 27 BT.

A pinion pine, 14 ins. diam., bears S.21°E., 23
lks. dist., mkd. T 14 S R 9 E S 34 BT.

A pinion pine, 11 ins. diam., bears S.46°W., 44
lks. dist., mkd. T 14 S R 9 E S 33 BT.

A pinion pine, 13 ins. diam., bears S.59°W., 52
lks. dist., mkd. T 14 S R 9 E S 28 BT.

Land, mountainous and nearly level.

Soil, gravelly loam and stony; 2nd and 4th rate.

Timber, cedar and pinion pine.

A little grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

Knowing from previous retracements that closing corners

will be necessary against the old work, I run
S.89°53'E. on a true line bet. secs. 27 and 34.

Over nearly level mesa, thru heavy timber, desc. gradu-
ally.

20.00 Leave mesa and begin steep descent, bears N. and S.
Leave heavy and enter scattering timber, bears N. and S.

27.50 Top of vertical ledge of shale and sandstone, 50 ft.
high, bears N. and S.
I observe a rough trail, bears E. and W., ascending
this ledge at 4.50 chs. N., which is probably the only
break in this ledge for about 140 chs. northward and
for 60 chs. southwesterly from here.

33.75 Spring branch, 1 lk. wide, $\frac{1}{2}$ inch deep, strongly al-
kaline water, in the bottom of Horse Canon, 600 ft.
below mesa, course N.65°E.

Asc.

39.50 Spur, 60 ft. above canon, bears N. and S.

Subdivision of T. 14 S. R. 9 E.

Chains.

Desc.

- 40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 27 in N. half, and S 34 in S. half; from which
- A pinion pine, 7 ins. diam., bears N. 80° W., 59 lks. dist., mkd. $\frac{1}{4}$ S 27 BT.
- A pinion pine, 12 ins. diam., bears S. 79° E., 43 lks. dist., mkd. $\frac{1}{4}$ S 34 BT.
- 47.00 Bottom of Horse Canon, 65 ft. below spur, course S. 75° E.
- Asc.
- 77.60 Spur, 35 ft. above canon, bears N. 70° W. and SE.
- Desc.
- 78.32 Intersect sec. line, 72 lks. north from the old cor. of secs. 26, 27, 34, and 35, heretofore described.
- Destroy all marks on this cor. pertaining to secs. 27 and 34; and at the point of intersection
- Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for C.C. for secs. 27 and 34, mkd. on brass cap
- T 14 S S 27 in NW.,
- R 9 E S 26 CC. in NE.,
- S 35 in SE., and
- S 34 in SW. quadrant; from which
- A cedar, 5 ins. diam., bears N. 55° W., 124 lks. dist., mkd. T 14 S R 9 E S 27 BT.
- A cedar, 5 ins. diam., bears S. 9° W., 131 lks. dist., mkd. T 14 S R 9 E S 34 BT.
- Land, mountainous and nearly level.
- Soil, gravelly loam and stony; 2nd and 4th rate.
- Timber, cedar and pinion pine.
- A little grass for grazing.
- Mountainous or heavily timbered land, 78.32 chs.
- Nov. 14: At 11 h 44 m a.m., the sky is overcast and solar observations are impossible.

Subdivision of T.14 S., R.9 E.

Chains.

18.14.50

From the cor. of secs. 27, 28, 33, and 34, heretofore described, I run, for reasons already stated,

North bet. secs. 27 and 28, on a sectional guide meridian.

Over nearly level land, thru scattering timber.

3.00 Leave scattering and enter heavy timber, bears E. and W.

18.00 Leave mesa and begin descent, bears E. and W.

Leave heavy and enter scattering timber, bears E. and W.

28.00 Bottom of gulch, 300 ft. below mesa, course N. 80° E.

Asc.

34.00 Spur, 60 ft. above gulch, bears E. and W.

Desc.

40.00 Point for $\frac{1}{4}$ sec. cor. falls in bottom of gulch, 40 ft. below spur, course E.

Asc.

41.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for W.C. to $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 28 in W. half and S 27 in E. half, and WC in S. half; and T 14 S R 9 E in N. half; from which

A pinion pine, 7 ins. diam., bears N. 30° E., 40 lbs. dist., mkd. WC $\frac{1}{4}$ S 27 BT.

A pinion pine, 8 ins. diam., bears S. 70° W., 40 lbs. dist., mkd. WC $\frac{1}{4}$ S 28 BT.

55.48 Top of ascent, 60 ft. above gulch, bears E. and W.

Leave timber and enter dense sage, bears E. and W.

Thence over mesa.

62.00 Enter scattering timber, bears NW. and SE.

75.00 Leave sage and enter heavy timber, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, mkd. on brass cap.

T 14 S S 21 in NW.,

R 9 E S 22 in NE.,

S 27 in SE., and

S 28 in SW. quadrant; from which

Subdivision of T.14 S. R.9 E.

Chains.

A pinion pine, 9 ins.diam., bears N.37° 30'E. 35
lks. dist., mkd.T 14 S R 9 E S 22 B T

A pinion pine, 12 ins.diam., bears S.36°E. 86 lks.
dist., mkd.T 14 S R 9 E S 27 B T

A pinion pine, 7 ins.diam., bears S.71°30'W.24 lks.
dist., mkd.T 14 S R 9 E S 28 B T

A pinion pine, 11 ins.diam., bears N.54° W., 75
lks.dist., mkd.T 14 S R 9 E S 21 B T

Land, mountainous and nearly level.

Soil, gravelly loam and stony; 1st and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth 77.00 chs.

Knowing from previous retracements that the line east-
ward bet.secs.22 and 27 will strike about 13.34 chs.N.
of the W.C.set bet.secs.26 and 27 at 13.31 chs.S.
of intended cor.point as witnessed from the E., I
run

S.89°53'E.on a random line bet.secs.22 and 27

40.00 Set temp. 1/4 sec.cor.

72.85 Brink of inaccessible bluffs, at edge of mesa, bears
N.and S.

I ascertain that I am on line W.from the W.C.set at 11.50
chs.E.of the cor.point for secs.22,23,26, and 27.

I observe S.21° 47'E.to the W.C.at 13.31 chs.S.of said
cor.point.

The dist.from my station eastward to said cor.point is
 $\tan.21^\circ 47' \times \text{base}$, or $0.39963 \times 13.31 = 5.32$ chs.;
making a total distance of

78.17 Intersect N.and S.line, 1 lk.S.of the cor.point for secs.
22,23,26, and 27.

Subdivision of T 14 S, R 9 E

Chains. Thence I run

N.89° 53'W.on a true line bet.secs.22 and 27,

Over mountainous land; asc.over steep bluffs.

5.32 Top of bluffs, edge of mesa, 300 ft.above point for sec.
cor., bears N.and S.

5.37 Set an iron post 3 ft.long, 2 ins.diam., 24 ins.in the
ground and mound of stone, for W.C.to cor.of secs.22,
23,26, and 27, mkd.on brass cap,

T 14 S S 22 W C in NW.

R 9 E S 23 in NE.

S 26 in SE., and

S 27 in SW.quadrant; from which

A pinion pine, 7 ins.diam., bears N.33° W. 90 lks.
dist., mkd.W C T 14 S R 9 E S 22 B T

A pinion pine, 13 ins.diam., bears S.54°W. 81 lks.
dist., mkd.W C T 14 S R 9 E S 27 B T

No other bearing trees within limits; raise a mound of
stone 2 ft base, 1½ ft.high W.of cor.

5.50 Enter scattering timber and scattering undergrowth, bears
N.and S.

19.60 E.brink of gulch, edge of mesa, bears N.and S.
Desc.

21.17 Bottom of gulch, 100 ft.below mesa, course N.30°W.
Asc.

22.72 Top of ascent, edge of mesa, 100 ft.above gulch, bears
NW.and SE.

25.87 E.brink of gulch, edge of mesa, bears N.and S.
Desc.

28.17 Bottom of gulch, 75 ft,below mesa, course N.30°W.
Asc.

30.42 Top of ascent, edge of mesa, 75 ft.above gulch, bears
NW.and SE.

38.17 Set an iron post, 3 ft.long, 1 inch diam., 26 ins. in

Subdivision of T. 14 S., R. 9 E.

Chains.

the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 22
in N. half, and S 27 in S. half; from which

A pinion pine, 8 ins. diam., bears N. 49° E., 45 lks.
dist., mkd. $\frac{1}{4}$ S 22 BT.

A pinion pine, 8 ins. diam., bears S. 24° W., 9 lks.
dist., mkd. $\frac{1}{4}$ S 27 BT.

40.60 E. brink of gulch, edge of mesa, bears N. and S.
Desc.

42.70 Bottom of gulch, 75 ft. below mesa, course N. 20° W.
Asc.

44.80 Top of ascent, edge of mesa, 75 ft. above gulch, bears
NW. and SE.

Leave scattering timber and scattering undergrowth and
enter heavy timber, bears NW. and SE.

78.17 The cor. of secs. 21, 22, 27, and 28.

Land, mountainous and level.

Soil, gravelly loam and stony; 2nd and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass for grazing.

Mountainous or heavily timbered land, 50.56 chs.

Nov. 14, 1910.

Nov. 15: At 7 h. 45m a.m., l.m.t., I set off 39° 35' N.

on the lat. arc; 18° 15' S, on the decl. arc; and deter-
mine a meridian with the solar at the cor. of secs.

21, 22, 27, and 28.

Thence I run, for reasons already stated,

North bet. secs. 21 and 22, on a sectional guide mer.

Over nearly level mesa, thru heavy timber.

8.65 Brink of inaccessible gulch, edge of mesa, bears NW. and
SE.

Leave heavy and enter scattering timber, bears NW. and

Subdivision of T. 14 S., R. 9 E.

Chains.

SE.

To obtain the dist. across this gulch, I use the stadia attachment of the transit, which I first test by comparison with the tape which I am using, and find that it agrees with the distance chained, on a test base of 7.50 chs. = 495 ft.

The stadia interval read to the N. brink of gulch is 5.22 ft. on the vertical rod, indicating a horizontal distance of 522 ft. = 7.91 chs., or a total dist. of

10.50 N. brink of gulch, 200 ft. above bottom, bears N. 30° W. and S. 30° E.

Leave scattering and enter heavy timber, bears N. 30° W. and S. 30° E.

27.17 Leave mesa and begin steep descent, bears E. and W.

Leave heavy and enter scattering timber, bears E. and W.

30.54 Top of sandstone ledge, 40 ft. high, bears E. and W.

34.00 Leave timber, bears E. and W.

36.50 Bottom of Pinnacle Canon, 500 ft. below mesa, course NE.

A spring branch of alkaline water, 3 lks. wide, 1 inch deep, in bottom of this canon, is now nearly at its lowest stage.

Thence over nearly level canon bottom, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 21 in W. half, and S 22 in E. half; dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

47.50 Trail leading to Porphyry Bench, bears N. 80° E. and S. 80° W.

55.00 Leave canon bottom and begin ascent, bears E. and W.
Leave undergrowth and enter scattering timber, bears E. and W.

62.43 Foot of vertical ledge, 30 ft. high, bears E. and W.

Subdivision of T. 14 S., R. 9 E.

Chains.

- 66.19 Top of ledge, 50 ft. high, and edge of mesa, 500 ft. above canon, bears E. and W.
- Leave scattering and enter heavy timber, bears E. and W.
- 70.30 Leave timber and enter dense sage, bears E. and W.
- 75.50 Enter plowed land, 6 ft. wide, bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21, and 22, mkd. on brass cap.
- T 14 S S 16 in NW.,
R 9 E S 15 in NE.,
S 22 in SE., and
S 21 in SW. quadrant; dig pits, 18x18x12 ins., in each section, 54 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
- Land, mountainous and level.
- Soil, gravelly loam and stony; 1st and 4th rate.
- Timber, cedar and pinion pine.
- Undergrowth, sage and greasewood.
- A little grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 69.00 chs.
-
- S. 89° 53' E. on a random line bet. secs. 15 and 22.
- 40.00 Set temp. sec. cor.
- 75.58 Intersect the old established cor. of secs. 14, 15, 22, and 23, heretofore described.
- Thence I run
- N. 89° 53' W. on a true line bet. secs. 15 and 22.
- Over mountainous land, descend.
- 8.60 Bottom of wash in Pinnacle Canon, course N. 60° E.
- Thence along bed of wash.
- 13.60 Enter scattering timber, bears NE. and SW.

Subdivision of T. 14 S., R. 9 E.

Chains.	
23.00	Leave wash, 60 lks. wide, 10 ft. deep, course E., from S. 60°W.
26.00	Old road, bears N. 65°E. and S. 65°W.
34.00	Leave canon bottom and begin ascent, bears NE. and SW.
38.58	Set an iron post, 3 ft. long, 1 inch diam., 2 1/2 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap 1/4 S. 15 in N.-half, and S. 22 in S. half; from which A cedar, 9 ins. diam., bears N. 18°W., 46 lks. dist., mkd. 1/4 S. 15 BT. A pinion pine, 7 ins. diam., bears S. 89°52'E., 405 lks. dist., mkd. 1/4 S. 22 BT.
57.00	Trail leading to Porphyry Bench, bears NW. and SE.
58.43	Top of sandstone ledge, 30 ft. high, and edge of mesa, 600 ft. above canon, bears N. and S.
60.60	Leave timber and enter dense sage, bears N. and S.
72.60	Enter plowed ground, 4 ft. wide, bears N. and S.
78.58	The cor. of secs: 15, 16, 21, and 22. Land, mountainous and level. Soil, gravelly and sandy loam and stony; 1st and 4th rate. Timber, cedar and pinion pine. Undergrowth, sage. A little grass for grazing. Mountainous land, or land covered with dense undergrowth, 51.01 chs. Nov. 15: At 11 h 45 m a.m., the sky is overcast and solar observations are impossible. For reasons previously stated, I run North bet. secs. 15 and 16, on a sectional guide mer. Over nearly level mesa, thru dense sage.
20.00	Enter plowed ground, 4 ft. wide, bears E. and W.
25.00	Leave undergrowth and enter scattering timber, bears E. and W.

Subdivision of T.14 S., R.9 E.

Leave mesa and begin descent, bears NW. and SE.

Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 16 in W. half, and S 15 in E. half; from which

A pinion pine, 11 ins. diam., bears S.45°E., 13 lks. dist., mkd. $\frac{1}{4}$ S 15 BT.

A pinion pine, 6 ins. diam., bears S.35°W., 11 lks. dist., mkd. $\frac{1}{4}$ S 16 BT.

53.50 Hollow, 150 ft. below mesa, course N.70°E.

Asc. over boulders and ledges.

61:00 Top of ascent, edge of mesa, 150 ft. above hollow, bears N.30°E. and S.70°W.

Leave ledges, bear N.30°E. and S.70°W.

69.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9,10,15, and 16, mkd. on brass cap.

T 14 S S 9 in NW.,

R 9 E S 10 in NE.,

S 15 in SE., and

S 16 in SW. quadrant; from which

A pinion pine, 7 ins. diam., bears N.50°E., 58 lks. dist., mkd. T 14 S R 9 E S 10 BT.

A pinion pine, 12 ins. diam., bears S.35°E., 31 lks. dist., mkd. T 14 S R 9 E S 15 BT.

A pinion pine, 8 ins. diam., bears S.55°40'W., 66 lks. dist., mkd. T 14 S R 9 E S 16 BT.

A pinion pine, 12 ins. diam., bears N.61°W., 42 lks. dist., mkd. T 14 S R 9 E S 9 BT.

Land, mountainous and level.

Soil, sandy loam and stony; 1st and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass for grazing.

Mountainous land, or land covered with dense undergrowth,

56.55 chs.

Subdivision of T.14 S., R.9 E.

Chains.

- S.89°53'E. on a true line bet. secs. 10 and 15.
Over nearly level mesa, thru scattering timber,
- 0.70 Head of gulch, 10 ft. deep, course N.30°E.
- 8.00 Leave mesa and begin descent over a sandstone ledge,
10 ft. high, bears NE. and SW.
Leave timber, bears NE. and SW.
- 15.00 Hollow, 450 ft. below mesa, course N.30°E.
Asc.
- 22.35 Top of ledge of sandstone, 20 ft. high, bears N.20°E.
and S.20°W.
Enter scattering timber, bears N. and S.
- 23.00 Spur, 250 ft. above hollow, bears N. and S.
Desc.
- 24.75 I observe N.74°12'E. to the SW. cor. of Domenico Milano
house.
- 31.50 Hollow, 200 ft. below spur, course N.
Asc.
- 35.00 Spur, 150 ft. above hollow, bears N. and S.
Desc. gradually
- 40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ in
in N. half, and S.15 in S. half; from which
A cedar, 5 ins. diam., bears N.14°W., 17 lks. dist.,
mkd. $\frac{1}{4}$ S 10 BT.
A cedar, 6 ins. diam., bears S.38°E., 20 lks. dist.,
mkd. $\frac{1}{4}$ S 15 BT.
- 49.50 Hollow, 60 ft. below spur, course N. Asc.
- 53.54 I observe N., 15.00 chs. to SE. cor. of plowed tract, bears
W. about 10 chs., and N. along Milano's fence line, 3 chs.
- 54.69 I observe N.46°W., 7.35 chs. to the intake of James P. canal,
nearly completed, and consisting of a tunnel,
152 ft. long, thru shale point, course of tunnel SE.
- 54.75 Spur, 60 ft. above hollow, bears N. and S. Desc.

Subdivision of T.14 S.. R.9 E.

Chains.

55.50 Leave timber, bears NW. and SE.

57.50 On line of James Pace's canal, unfinished, course SE.

58.00 Foot of descent, enter bottom of Gordon Creek canon,
100 ft. below spur, bears NW. and SE.
Enter dense undergrowth, bears NW. and SE.

59.32 The SW. cor. of Domenico Milano's house bears N., 9.83
chs. dist.

64.00 Gordon Creek, 24 lks. wide, 9 ins. deep, good water,
swift current, course S.75°E.

78.16 Intersect sec. line, 2.60 chs. S.0°16'E. of the cor.
of secs. 10,11,14, and 15, heretofore described.
I destroy all marks on this cor. pertaining to secs. 10
and 15, and at the point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for C.C. for secs. 10 and 15, mkd. on brass
cap

T 14 S in N. half;
R 9 E in S. half;
S 10 in NW.,
S 11 in NE.,
CC S 14 in SE., and
S 15 in SW. quadrant; dig pits, 24x18x12 ins.,
crosswise on each line, N. and S., 3 ft., and W. of
post, 7 ft. dist.; and raise a mound of earth, 4 ft.
base, 2 ft. high, W. of cor.

Land, mountainous and level.

Soil, sandy and clay and stony; 2nd and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, greasewood.

A little grass for grazing.

Mountainous land, or land covered with dense undergrowth,
70.16 chs.

Nov. 15, 1910.

Subdivision of T. 14 N., R. 9 E.

44-38861-100

Nov. 16, 1910: At 7 h 45 m a.m., 1, mst., I set off 398
37' N. on the lat. arc; 18° 33' S. on the decl. arc; and
determine a meridian with the solar at the cer. of sec.
9, 10, 15, and 16.

Thence I run, for reasons previously stated,

North bet. secs. 9 and 10, on a sectional guide meridian.

Over nearly level mesa, thru scattering timber.

10.14 Leave mesa and begin descent over ledges and boulders,
bears NW and SE.

20.00 Leave timber, bears NW. and SE.

Foot of descent, enter bottom of Jordan Creek canon,
550 ft. below mesa, bears N.60°W, and S.60°E.

Leave boulders and ledges, and enter dense undergrowth,
bears 7.00° and 8.60°E.

23.00 - Gordon Creek, 15 lks. wide, 6 ins. deep, course E.

26.51 North bank of flood channel, bears E. and W.

telephone line from Price to Clear Creek, bears N.70°W.
and S.70°E.

04.21 ond, bears N. 80° W. and S. 80° E., Price to Porphyry Bench.

38.00 Leave bottom of canon and begin ascent, bears E. and W.
Leave undergrowth, bears E. and W.

55.90 Edge of sandstone, 25 ft. high, bears N.60°W. and S.60°E.

36.50 Enter scattering timber, bears E. and W.

Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 9 in W. half, and S 10 in E. half; from which

A pinion pine, 7 ins. diam., bears S. 89° E., 52 lks. dist., mkd. $\frac{1}{4}$ S 10 BT.

A cedar, 7 ins. diam., bears E. 46° 45' W., 23 lks. dist., mkd. $\frac{1}{4}$ S 9 BT.

5A.32 Top of ascent, edge of mesa, 350 ft. above canon bottom,
bears K. and W.

Leave timber and enter dense undergrowth, bears E. and W.

61.80 Old road, bears R. and W.

Subdivision of T.14 S., R.9 E.

Chains

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, mkd. on brass cap
- T 14 S. S 4 in NW.,
R 9 E S 3 in NE.,
S 10 in SE., and
S 9 in SW. quadrant; from which
- A cedar, 12 ins. diam., bears N. 69° 15' W., 329 lks. dist., mkd. T 14 S R 9 E S 4 BT.
- Dig pits, 18x18x12 ins., NE., SE., and SW. of post, 51 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. No other bearing trees within limits.
- Land, mountainous and nearly level.
- Soil, clay and sandy loam and stony; 1st and 4th rate.
- Timber, cedar and pinion pine.
- Undergrowth, sage and greasewood.
- A little grass for grazing.
- Mountainous land, or land covered with dense undergrowth, 63.86 chs.
- S. 89° 53' E. on a true line bet. secs. 3 and 10.
- Over nearly level mesa, thru dense sage, asc. gradually.
- 8.00 Top of low spur, 15 ft. above sec. cor., bears NE. and SW. Desc. gradually.
- 10.60 Old road, bears N. 30° W. and S. 30° E.
- 17.90 Head of gulch, 40 ft. below spur, course N. 20° E. Leave undergrowth and enter heavy timber, bears N 20° E. and S. 20° W.
- Asc. over rolling mesa.
- 40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 3 in N. half, and S 10 in S. half; from which
- A pinion pine, 11 ins. diam., bears N. 50° W., 43

Subdivision of T. 14 S., R. 9 E.

Chains.

lks. dist., mkd. $\frac{1}{4}$ S. 3 BT.A pinion pine, 8 ins. diam., bears S. 44° W., 27 lks. dist., mkd. $\frac{1}{4}$ S. 10 BT.

65.00 Top of low spur, 60 ft. above gulch, bears N. and S.
Desc. gradually.

78.71 Intersect sec. line, 4.03 chs. S. 0° 23' W. of the old established cor. of secs. 2, 3, 10, and 11, heretofore described. I destroy all marks on this cor. pertaining to secs. 3 and 10, and at the point of intersection set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for C.C. for secs. 3 and 10, mkd. on brass cap

T 14 S. S. 3 in NW.,

R 9 E. S. 2 in NE.,

CC S. 11 in SE., and

S. 10 in SW. quadrant; from which

A cedar, 20 ins. diam., bears N. 41° W., 34 lks. dist., mkd. T 14 S. R 9 E. S. 3 BT.

A cedar, 18 ins. diam., bears S. 50° W., 41 lks. dist., mkd. T 14 S. R 9 E. S. 10 BT.

Land, nearly level or rolling mesa.

Soil, sandy loam and stony; 1st and 3rd rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass for grazing.

Land covered with dense undergrowth or heavily timbered.

78.71 chs.

Nov. 16: At this cor. I set off 18° 39' S. on the decl. arc; and, at 11 h 45 m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39° 35' N., or within 1' of the proper lat.

Subdivision of T.14 S., R.9 E.

Chains.

- From the cor. of secs. 3, 4, 9, and 10, I run North on a random line bet. secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 84.16 Intersect N.bdy. of Tpx., 30 lks. S. $89^{\circ}55'E.$ from the cor. of secs. 3, 4, 33, and 34, heretofore described. Thence I run S. $0^{\circ}13'E.$ on a true line bet. secs. 3 and 4. Over nearly level mesa, thru scattering undergrowth, asc. gradually.
- 33.00 Top of low spur, 20 ft. above sec. cor., bears E. and W. Desc. gradually.
- 44.16 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 4 in W. half, and S 3 in E. half; from which
- A cedar, 8 ins. diam., bears S. $1^{\circ}45'E.$, 424 lks. dist., mkd. $\frac{1}{4}$ S 3 BT.
 - A cedar, 10 ins. diam., bears S. $7^{\circ}W.$, 455 lks. dist., mkd. $\frac{1}{4}$ S 4 BT.
- 44.66 Old road, bears NW. and SE.
- 48.00 Enter scattering timber, bears E. and W.
- 51.50 Road from Spring Glen to Grames' Ranch, bears E. and W.
- 54.00 Spring branch, 2 lks. wide, 1 inch deep, alkaline water, in bottom of gulch, 75 ft. below spur, course E. into Garley Canon.
- Asc.
- 62.30 Old road, bears E. and W.
- 74.00 Leave timber, bears E. and W.
- 84.16 The cor. of secs. 3, 4, 9, and 10.
- Land, nearly level and rolling mesa.
- Soil, sandy and clay loam; 1st and 2nd rate.
- Timber, cedar and pinion pine.
- Undergrowth, sage.
- Good grass and low white sage for grazing.

Nov. 16, 1910.

Subdivision of T.14 S. R.2 E.

Chains.

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Nov. 17, 1910: At 7 h⁵⁵ m a.m., l.m.t., I set off 39° 33' on the lat. arc; 18° 40' S. on the deek. arc; and determine a meridian with the solar at the cor. of secs. 32 and 33, on S. bdy. of the Tp., heretofore described.

Thence I run

N. 0° 01' W. bet. secs. 32 and 33.

Over mountainous land, thru scattering timber, desc.

6.91 Hollow, 150 ft. below sec. cor., course NE.

Asc.

21.76 Spur, 250 ft. above hollow, bears E. and W.

Thence along side hill, draining E.

40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 32 in W. half, and S 33 in E. half; from which

A pinion pine, 6 ins. diam., bears N. 85° E., 56 lks. dist., mkd. $\frac{1}{4}$ S 33 BT.

A pinion pine, 8 ins. diam., bears S. 60° W., 30 lks. dist., mkd. $\frac{1}{4}$ S 32 BT.

41.00 Gulch, 100 ft. deep; course E.

Asc.

43.50 Top of ascent, edge of flat ridge, 150 ft. above gulch, bears NE. and SW.

Leave scattering and enter heavy timber, bears NE. and SW. Descend gradually.

72.00 Leave ridge top and begin steep descent, bears N. 30° E. and S. 30° W.

Leave heavy and enter scattering timber, bears N. 30° E. and S. 30° W.

80.00 Set an iron post, 3 ft. long, 2 inch diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, mkd. on brass cap

1 14 S S 29 in NW.,

R 9 E S 28 in NE.,

S 33 in SE., and

S 32 in SW. quadrant; from which

Subdivision of T. 14 N. R. 9 E.

Chains.

A pinion pine, 9 ins. diam., bears N. 14° E., 50 lks. dist., mkd. T 14 S. R 9 E. S 28 BT.

A cedar, 9 ins. diam., bears S. 68° E., 25 lks. dist., mkd. T 14 S. R 9 E. S 33 BT.

A pinion pine, 6 ins. diam., bears S. 6° W., 16 lks. dist., mkd. T 14 S. R 9 E. S 32 BT.

A pinion pine, 9 ins. diam., bears N. 7° W., 37 lks. dist., mkd. T 14 S. R 9 E. S 29 BT.

Land, mountainous and nearly level.

Soil, gravelly and sandy loam and stony; 2nd and 4th rate.

Timber, cedar and pinion pine.

A little grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

S. 89° 53' E. on a random line bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 27, 28, 33, and 34.

Thence I run

N. 89° 54' W. on a true line bet. secs. 28 and 33.

Over nearly level mesa, thru scattering timber and scattering undergrowth.

39.99 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. as brass cap $\frac{1}{4}$ S 28 in N. half, and S 33 in S. half, from which

A pinion pine, 7 ins. diam., bears N. 66° E., 52 lks. dist., mkd. $\frac{1}{4}$ S 28 BT.

A pinion pine, 9 ins. diam., bears S. 85° E., 10 lks. dist., mkd. $\frac{1}{4}$ S 33 BT.

60.00 I observe 100 fms. S. to S. edge of mesa, bears E. and W.

64.00 Leave scattering and enter heavy timber, bears N. and S.

Leave undergrowth, bears N. and S.

77.50 Leave mesa and begin descent, bears N. 30° E. and S. 30° W.

Subdivision of T. 14 S., R. 9 E.

.entire

Chains.	
79.98	The cor. of secs. 28, 29, 32, and 33. Land, mountainous and nearly level. Soil, gravelly and sandy loam and stone; 2nd and 3rd rate. Timber, cedar and pinion pine. Undergrowth, sage. A little grass for grazing. Mountainous on heavily timbered land, 15.98 chs. Nov. 17: At 11 h 45 m a.m., 11.4 m., the sky is overcast and solar observations are impossible.
	N. 0° 1' W. bet. secs. 28 and 29. Over mountainous land, thru scattering timber, desc.
4.50	Hollow, 40 ft. below sec. cor., course W. Asc.
6.50	Top of ascent, edge of mesa, 40 ft. above hollow, bears E. and W.
10.00	Enter scattering sage, bears NE. and SW.
16.00	Leave sage, bears NE. and SW.
22.11	Edge of mesa, brink of descent, bears NE. and SW.
29.00	Foot of descent, 100 ft. below mesa, bears N. 60° E. and S. 60° W. Thence over rolling mesa.
40.00	Set an iron post, 3 ft. long, 1 inch diam., 2 1/2 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap 1/4 S 29 in W. half, and S 28 in E. half; from which A pinion pine, .8 ins. diam., bears S. 73° E., 50 lks. dist., mkd. 1/4 S 28 BT. A pinion pine, .9 ins. diam., bears S. 40° W., 78 lks. dist., mkd. 1/4 S 29 BT.
60.00	Leave mesa and begin steep descent into Pinnacle Canon, bears E. and W.
74.00	Spring branch, 3 lks. wide, 1 inch deep, alkaline water, in bottom of Pinnacle Canon, 300 ft. below mesa.

Subdivision of T.14 S., R.9 E.,

Chains.

course E.

Asc. 0000

78.50 Top of sandstone ledge, 50 ft. high, and edge of mesa,
250 ft. above bottom of canon, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 20, 21, 28, and 29, mkd. on
brass cap

T 14 S 20° 20' in NW.,
R 9 E S 21 in NE.,
S 28 in SE., and
S 29 in SW. quadrant; from which

A pinion pine, 9 ins. diam., bears N. 40° E., 87
lks. dist.; mkd. T 14 S R 9 E S 21 BT.

A pinion pine, 9 ins. diam., bears S. 77° 30' E.,
46 lks. dist.; mkd. T 14 S R 9 E S 28 BT.

A pinion pine, 12 ins. diam., bears S. 12° W., 17
lks. dist.; mkd. T 14 S R 9 E S 29 BT.

A pinion pine, 9 ins. diam., bears N. 21° W., 69
lks. dist.; mkd. T 14 S R 9 E S 20 BT.

Land, mountainous and nearly level.

Soil, gravelly loam and stony; 2nd and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass for grazing.

Mountainous land, 31.89 chs.

S. 89° 54' W. on a random line bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
21, 22, 27, and 28.

Thence I run
N. 89° 55' W. on a true line bet. secs. 21 and 28.

Subdivision of T1.14S., R.2E.

Chains.		angle 40
	Over nearly level mesa, thru scattering timber.	
12.60	Edge of mesa, brink of gulch, bears N. and S.	
	Desc.	04.37
16.00	Gulch, 80 ft. deep, course N. 50° W.	
	Asc.	00.6
17.60	Top of ascent, edge of mesa, 80 ft. above gulch, bears NW. and SE.	
34.50	Edge of mesa, top of sandstone ledge, 40 ft. high, bears N. and S.	
39.96	Set an iron post, 3 ft. long, 1 inch diam., 3/8 ins. in the ground, for $\frac{1}{4}$ sec. ear., mkd. on brass cap $\frac{1}{4}$ S 21 in N. half, and S. 28 in S. half; from which	
	A pinion pine, 8 ins. diam., bears N. 75° W., 72 lks. dist., mkd. $\frac{1}{4}$ S. 21 BT.	
	A pinion pine, 10 ins. diam., bears S. 64° W., 55 lks. dist., mkd. $\frac{1}{4}$ S. 28 BT.	
41.50	Top of shale and sandstone ledge, 40 ft. high, bears N. and S.	
48.00	Bottom of Pinnacle Canon, 290 ft. below mesa, course NE.	
	Asc.	
51.00	Spur, 40 ft. above canon, bears N. and S.	
	Desc.	
58.30	Bottom of Pinnacle Canon, 35 ft. below spur, course S. 60° E.	
	Asc.	
61.30	Ledge of sandstone, 15 ft. high, bears N. 60° W. and S. 60° E.	
62.00	Spur, 125 ft. above canon, bears N. and S.	
	Desc.	
64.00	Ledge of shale and sandstone, 40 ft. high, bears N. and S.	
65.50	Bottom of Pinnacle Canon, 110 ft. below spur, course N. 60° E.	
	A spring branch of alkaline water, 2 lks. wide, 1 inch deep, is in the bottom.	
	Asc.	
77.00	Top of ledge of sandstone and shale, 50 ft. high, and edge of mesa, 275 ft. above canon, bears N. 65° E. and	

Subdivision of T. 14 S., R. 9 E.

Chains.

- 79.92 The cor. of secs. 20, 21, 28, and 29.
Land, mountainous and nearly level.
Soil, gravelly loam and stony, 2nd and 4th rate.
Timber, cedar and pinion pine.
A little grass for grazing.
Mountainous land, 47.50 chs.
Nov. 17, 1910.
- Nov. 18, 1910. At 7 h 45 a.m., l.m.t., I set off 39°
 $35'N.$ on the lat. arc; $19^{\circ}03'S.$ on the decl. arc; and
determine a meridian with the solar at the cor. of secs.
20, 21, 28, and 29.
Thence I run
 $N.0^{\circ}1'W.$ bet. secs. 20 and 21.
Over rolling mesa, thru scattering timber, ascend
gradually.
7.50 Leave timber and enter scattering undergrowth, bears
E. and W.
Descend gradually.
20.00 I observe W., 3.35 chs., to the SE. cor. of plowed tract,
2.50 chs. wide, bearing $N.23^{\circ}W.$, about 20.00 chs., thence
 $N.70^{\circ}W.$, 20.00 chs.
37.40 Smooth hollow, 25 ft. below sec. cor., course E.
Asc. gradually.
40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S
20 in W. half, and S 21 in E. half; from which
A pinion pine, 12 ins. diam., bears $N.62^{\circ}40'E.$,
199 lks. dist., mkd. $\frac{1}{4}$ S 21 BT.
No other trees within limits.
Dig one pit, $24 \times 24 \times 12$ ins., on line S. of post,

Subdivision of T. 14 N., R. 9 E.

Chains.

.entire

3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base,
1 $\frac{1}{2}$ ft. high, W. of cor. 39.85

39.85 Enter plowed ground, bears N. 20° W. and S. 20° E.

59.85 Leave plowed ground, bears N. 20° W. and S. 20° E.

60.00 Set an iron post, .3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 16, 17, 20, and 21, mkd.
on brass cap

T 14 S S 17 in NW.,

R 9 E S 16 in NE.,

S 21 in SE., and

S 20 in SW. quadrant; dig pits, 18x18x12 ins., in
each sec., 5 $\frac{1}{2}$ ft. dist.; and raise a mound of earth,
4 ft. base, 2 ft. high, W. of cor.

Land, nearly level on rolling mesa.

Soil, gravelly and sandy loam; 1st rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass for grazing.

S. 89° 55' E. on a random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. and S. line at the cor. of secs. 15, 16, 21,
and 22.

Thence I run

N. 89° 55' W. on a true line bet. secs. 16 and 21.

Over rolling mesa, thru dense undergrowth;

88.90 Set an iron post, 3 ft. long, 1 inch diam., 24 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 16
in N. half and S 21 in S. half; dig pits, 18x18x12 ins.,
on line E. and W. of post, 3 ft. dist.; and raise a mound
of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

88.75 Enter plowed ground, 9 lks. wide, bears N. and S.

Subdivision of T. 14 S., R. 8 E.

Chains.

- 79.90 The cor. of secs. 16, 17, 20, and 21.
Land, rolling mesa.
Soil, sandy and clay loam, with clay subsoil; 1st rate.
No timber.
Undergrowth, sage.
A little grass for grazing.
Land covered with dense undergrowth, 79.90 chs.
- Nov. 18, 1910: At this cor. I set off $19^{\circ}09'S.$ on the
level, and, at 11 h 45 m a.m., l.m.t., observe the
sun on the meridian; the resulting lat. is $39^{\circ}36'N.$,
or within $1'$ of the proper lat.
- N. $0^{\circ}1'W.$ bet. secs. 16 and 17.
Over gently rolling mesa, thru scattering undergrowth,
desc. gradually.
- 40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 17
in W. half and S 16 in E. half; dig pits, 16x16x12 ins.,
N. and S. of post, 3 ft. dist.; and raise a mound of
earth, 31 ft. base, 11 ft. high, W. of cor.
- 49.75 Old road, bears NE. and SW.
- 53.37 Enter plowed ground, 6 lks. wide, bears E. and W.
- 65.00 Leave undergrowth and enter scattering timber, bears
E. and W.
- 76.00 Leave mesa and begin steep descent, bears E. and W.
- 78.50 Leave timber, bears E. and W.
- 79.00 Foot of descent, 150 ft. below edge of mesa, bears E. and
W.
- Enter bottom of Gordon Creek Canon, bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 8, 9, 16, and 17, mkd.
on brass cap
T. 14 S. S. 8 in NW.,

Chains.

S 16 in SE., and

A cedar, 10 ins. diam., bears S. 54° 20' E., 173 lks.

dist., mkd. T 14 S R 9 S, 16 OF.

A cedar, 7 ins. diam., 22 ft. h., 198 lbs.

dist., wknd. T 14 8-9 P. S. 188T.

No other trees within limits; dig pits, 18x18x12

Ins., NE. and NW. of post, 51 ft. dist.; and raise

a mound of earth, 3½ ft. base, 1½ ft. high, W. of

[illegible]

Land, mountainous and nearly level mesa.

Soil, sandy and clay loam with clay subsoil and stony;

1st and 3rd rate.

Timber, cedar and pinton pine.

Undergrowth, sage. 4

A little grass for grazing. . .

Mountainous land, 3.00 chas.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

[illegible]

S. 89° 55' E. on a random line bet. posts. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. comp.

79.94. Intersect N. and S. line at the cor. of sec. 9 10, 15,
and 16.

Thence I run

N. 89°55'W. on a true line bet. sec. 9 and 16.

Over nearly level mesa, thru ~~scattering~~ ^{young} timber.

10.00 Leave timber, enter scattering undergrowth, bears NW and SE.

18.00 Enter scattering timber, bears NE. and SW.

22.50 The N. side of old sheep penral, 1 chain diam., bears

S., -50 lks. dist. at ...

25.50 | Leave timber, bears N. and S. on 1000, 1000, 1000

39.50 Enter heavy timber and leave undergrowth, bears N. and S.

39.97 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in

Subdivision of T.14 S., R.9 W.,

Chains.

the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 9
 in N. half and S 16 in S. half; from which

A pinion pine, 10 ins. diam., bears N.26°W., 38 lks.
 dist., mkd. $\frac{1}{4}$ S 9 BT.

A pinion pine, 9 ins. diam., bears S.4°E., 38 lks.
 dist., mkd. $\frac{1}{4}$ S 16 BT.

65.20 Leave mesa and begin descent over sandstone ledge, 25 ft.
 high, bears N. and S.

Leave timber, bears N. and S.

70.00 Foot of descent, 175 ft. below mesa, bears N. and S.

Enter bottom of Gordon Creek Canon, bears N. and S.

Enter scattering undergrowth, bears N. and S.

70.25 Gully, 15 lks. wide, 4 ft. deep, course N.

79.94 The cor. of secs. 8, 9, 16, and 17.
 Land, mountainous and nearly level.

Soil, sandy and clay loam with clay and stony subsoil;
 1st and 3rd rate.

Timber; cedar and pinion pine.

Undergrowth, sage and greasewood.

Good grass and some low white sage for grazing.

Mountainous or heavily timbered land, 30.50 chs.

Nov. 18, 1910.

Nov. 19, 1910: At 7 h 45 a.m., l.m.t., I set off 19°

17'S. on the decl. arc; 39° 36'W. on the lat. arc; and

determine a meridian with the solar at the cor. of

secs. 8, 9, 16, and 17.

Thence I run

N.0°1'W. bet. secs. 8 and 9.

Over canon bottom, descend into creek channel.

4.00 Gordon Creek, 12 lks. wide, 6 ins. deep, good water, rapid
 current, course N.60°E., in a channel 50 ft. below

Subdivision of T. 14 S., R. 9 E., S. 34

Chains	
	asc. to S. V. 1, about 4 chs., to rapids and falls over solid rock, about 15 ft. high. Asc.
7.23	N. edge of channel, 50 ft. above creek, bears N. 60° E. and S. 60° W.
	This bank exposes clay alluvial soil to the depth of about 45 ft.
	Enter scattering undergrowth, bears N. 60° E. and S. 60° W.
10.32	Road, bears N. 60° E. and S. 60° W. Price to Porphyry Bench.
14.00	Leave canon bottom and begin ascent, bears N. 60° E. and S. 60° W., thru scattering timber.
	Leave undergrowth, bears N. 60° E. and S. 60° W.
15.14	Sandstone ledge, 25 ft. high, bears N. 70° E. and S. 70° W.
21.00	Top of ascent, edge of mesa, 250 ft. above creek, bears N. 60° E. and S. 60° W.
32.00	Leave timber, bears NE. and SW.
	Enter scattering undergrowth, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for 1 sec. cor., mkd. on brass cap $\frac{1}{4}$ S 8 in W. half and S 2 in E. half; dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 5 1/2 ft. base, 1 1/2 ft. high, W. of cor.
44.81	Telephone line, leading from Price to Clear Creek, bears N. 83° E. and S. 83° W.
45.00	Road from Spring Glen to Grames' Ranch, bears N. 80° E. and S. 80° W.
48.93	Gully, 15 lks. wide, 4 ft. deep, course E. Ascend gradually.
55.00	Top of low spur, 20 ft. above gully, bears N. 80° E. and S. 80° W.
	Enter scattering timber, bears N. 80° E. and S. 80° W. Asc. gradually.
59.00	Leave timber, bears N. 60° E. and S. 60° W.
62.40	Road, bears E. and W.

Subdivision of T.14 S. R.9 E.

Chains.

- 65.25 Old road, bears E. and W.
- 68.18 Gully, 15 lks. wide, 10 ft. deep, course E.
Asc. gradually.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 4, 5, 8, and 9, mkd. on
brass cap. T 14 S S 5 in NW.,
R 9 E S 4 in NE.,
S 9 in SE., and
S 8 in SW. quadrant; dig pits, 18x18x12 ins., in
each sec., 15 ft. dist.; and raise a mound of earth,
4 ft. base, 2 ft. high, W. of cor.
- Land, mountainous and nearly level.
- Soil, sandy and clay-lean with clay subsoil, and stony;
1st and 4th rate.
- Timber, cedar and pinion pine.
- A little grass for grazing.
- Undergrowth, sage and greasewood.
- Mountainous land, 7.00 chs.
- S. 89°55'E. on a random line bet. secs. 4 and 9.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line, 2 lks. N. of cor. of secs.
3, 4, 9, and 10.
- Thence I run,
N. 89°54'W. on a true line bet. secq. 4 and 9.
- Over rolling mesa, thru scattering undergrowth, asc.
- 3.50 Spur, 15 ft. above sec. cor., bears N. and S.
- Desc. gradually.
- 39.98 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 4
in N. half and S 9 in S. half; dig pits, 18x18x12 ins.,

Subdivision of T114 N. 21st St.

Contd.

Chains.

E. and W. of post, 3 ft. dist., and raised mound of
earth, 34 ft. base, 14 ft. high, N. of cor., 11.80

51.00 Road from Spring Glen to Grimes' Ranch, bears NE. and SW.

79.90 The cor. of secs. 4, 5, 8, and 9, 10.05

Land, nearly level or rolling mesa, 10.05

Soil, sandy and clay loam, with clay subsoil; 1st rate.

No timber.

Undergrowth, sage.

A little grass for grazing.

Nov. 19, 1910: At this cor. I set off $19^{\circ}23'18''$ on the
decl. arc; and, at 11 h 45 m a.m., l.m.t., observe the
sun on the meridian; the resulting lat. is $39^{\circ}32'N.$,
or within 1' of the perpendicular to the line.

$N.0^{\circ}1'W.$ on a true line bet. secs. 4 and 5.

Over nearly level mesa, thru scattering undergrowth.

Asc. gradually.

81.61 Old road, bears E. and W.

86.25 Top of low spur, 40 ft. above sec. cor., bears E. and W. Desc.
leave undergrowth and enter scattering timber, bears E. and W.
I observe $S.25^{\circ}W.$, 12 chs., to NE. cor. of cleared and plowed
tract, 15 lks. wide, bears W. about 8 chs., and S., 20 chs.

40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 5
in W. half and 34° in E. half; from which

A pinion pine, 6 ins. diam., bears $S.10^{\circ}E.$, 236
lks. dist., mkd. $\frac{1}{4}$ S 4 BT.

A pinion pine, 7 ins. diam., bears $S.3^{\circ}W.$, 270
lks. dist., mkd. $\frac{1}{4}$ S 5 BT.

48.45 Spring branch of alkaline water, 2 lks. wide, 2 ins. deep,
in bottom of gulch, which is Garing Canon farther E.,
100 ft. below spur, course $S.80^{\circ}E.$

Subdivision of T. 14 S., R. 9 E.

Chains.

- Ascend over broken ground, draining S. 30° E..
- 62.45 Old wood road, bears N. 10° W. and S. 10° E..
- 65.00 Spur, 120 ft. above gulch, bears NW. and SE.
- Decline to gulch.
- 71.50 Hollow, 100 ft. below spur, course SE.
- Asc.
- 77.00 Old irrigation ditch, 3 ft. wide, 2 ft. deep, has long been in disuse, course E.
- 84.22 Intersect N. 60° E., 106 lks. S. 89° 51' E. of the old established cor. of secs. 4, 5, 32, and 33, heretofore described.
- Destroy all marks on this cor. pertaining to secs. 4 and 5, and at the point of intersection,
- Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing corner for secs. 4 and 5, mkd. on brass cap
- T. 13 S. R. 9 E. S. 32 S. 33 in N. half,
- S. 4 in SE., and
- S. 5 in SW. quadrant, and
- T. 14 S. in S. half; from which
- A pinion pine, 7 ins. diam., bears S. 36° 20' E., 94 lks. dist., mkd. T. 14 S. R. 9 E. S. 4 NT.
- A pinion pine, 6 ins. diam., bears S. 25° 50' W., 31 lks. dist., mkd. T. 14 S. R. 9 E. S. 5 NT.
- Land, nearly level mesa and broken foot hills.
- Soil, gravelly and sandy loam with clay subsoil, and stony; 1st and 3rd rate.
- Timber, cedar and pinion pine.
- Undergrowth, sage.
- A little grass for grazing.
- Mountainous land; 35.77 chs.

Nov. 19, 1910.

Subdivision of T.14 S., R.5 E.

Chains.	
	Nov. 20, 1910: At 7 h. 45 m. a.m., l.m.t., I set off 39° 33° N. on the lat. arc; 19231° S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 31 and 32, on S. bdy. of Tp., heretofore described. Thence I run $N.0^{\circ}1'W.$ bet. secs. 31 and 32. Over nearly level land, thru scattering timber. 3.00 Begin ascent, bears E. and W. 20.00 Spur, 100 ft. above sec. cor., bears E. and W. Desc. gradually. 33.00 Leave timber and enter sage flat, 100 ft. below spur, bears E. and W. Thence thru scattering undergrowth. Desc. gradually. 40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 31 in W. half and S 32 in E. half; from which A lone cedar, 6 ins. diam., bears S. 64° E., 115 lks. dist., mkd. $\frac{1}{4}$ S 32 B.T. A cedar, 9 ins. diam., bears W., 444 lks. dist., mkd. $\frac{1}{4}$ S 31 B.T. 48:00 Leave sage flat and begin ascent, bears NE. and SW. Enter scattering timber, bears NE. and SW. 52:00 Top of spur, 100 ft. above flat, bears N. 60° E. and S. 60° W. Desc. gradually. 65:00 Foot of steep descent, 250 ft. below spur, bears NE. and SW. Leave timber and enter scattering undergrowth, bears NE. and SW. Desc. gradually. 78:00 Enter scattering timber, bears NE. and SW. 79:00 Bottom of hollow, the head of Pinnacle Canon, 300 ft. below spur, course N. 70° E. A spring branch of alkaline water, 2 lks. wide, 1 inch deep, is in bottom of hollow. Asc.

Subdivision of T.14S. R.9E. S. 29

Chains.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31, and 32, mkd. ~~Sec. brass cap~~ ~~to sec. 14 S. 30, in NW.~~ ~~to R. 9 E 20 in NE.~~ ~~S 32 in SE., and~~ S 31 in SW. quadrant; from which

A cedar, 8 ins. diam., bears N. 42° 20' E., 140 lks. dist., mkd. T 14 S R 9 E S 29 BT.

A cedar, 12 ins. diam., bears S. 55° E., 47 lks. dist., mkd. T 14 S R 9 E S 32 BT.

A cedar, 4 ins. diam., bears S. 49° 50' W., 134 lks. dist., mkd. T 14 S R 9 E S 31 BT.

A pinion pine, 10 ins. diam., bears N. 74° 30' W., 52 lks. dist., mkd. T 14 S R 9 E S 30 BT.

Land, mountainous and nearly level.

Soil, gravelly and clay loam and stony; 1st and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

Good grass and white sage for grazing.

Mountainous land, 47 chs.

S. 89° 53' E. on a random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 28, 29, 32, and 33.

Thence I run N. 89° 55' W. on a true line bet. secs. 29 and 32.

Over mountainous land, thru scattering timber, desc.

16.75 Leave timber and enter scattering sage, bears N. and S.

26.85 Leave sage and enter scattering timber, bears N. and S.

31.60 Bottom of rocky hollow, 300 ft. below sec. cor., course

Subdivision of T. 14 S., R. 9 E.

Chains.

NW., about 6.00 chs., thence N. 10° E. 00.00

Asc. 1.00 chs. to the top of the hill.

40.03 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S. 29 in N. half and S 32 in S. half; from which

A pinion pine, 6 ins. diam., bears N. 23° E., 51 lks. dist., mkd. $\frac{1}{4}$ S 29 BT.

A pinion pine, 9 ins. diam., bears S. 36° W., 21 lks. dist., mkd. $\frac{1}{4}$ S 32 BT.

45.00 Spur, 250 ft. above hollow, bears N. and S.

Desc. 1.00 chs. to the top of the hill.

53.50 Hollow, 150 ft. below spur, course N.

Asc. 1.00 chs. to the top of the hill.

59.87 Spur, 150 ft. above hollow, bears N. and S.

Desc. 1.00 chs. to the top of the hill.

77.50 Spring branch of alkaline water, 2 lks. wide, 1 inch deep, in bottom of hollow, the head of Pinnacle Canon, 150 ft. below spur, course NE.

Asc. 1.00 chs. to the top of the hill.

80.06 The cor. of secs. 29, 30, 31, and 32.

Land, mountainous.

Soil, gravelly and stony; 3rd and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass and white sage for grazing.

Mountainous land, 80.06 chs.

Nov. 20, 1910: At this cor. I set off $19^{\circ}47'$ S. on the decl. arc; and at 11 h 46 m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $39^{\circ}34'$ N., or within 1' of the proper lat.

N. $89^{\circ}53'$ W. on a random line bet. secs. 30 and 31.

Subdivision of T. 14 S., R. 9 E.

Chains.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ sec. cor.
- 77.22 ~~Intersect~~ ~~W. line of~~ ~~Tr.~~ ~~5 lks. N. of the cor. of secs.~~
25, 30, 31, and 32, heretofore described.
- Thence I run $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ sec. cor. $\frac{1}{4}$ sec. cor.
- S. $80^{\circ}55'$ W. on same line both to sec. 30 and 31.
- Over mountainous land, thru scattering timber; asc.
- 57.72 Spur, 50 ft. above sec. cor., bears N. 60° W. and SE.
- Desc. over broken ground draining SE.
- 30.00 Hollow, 100 ft. below spur, course S. 30° E.
- Asc.
- 32.20 Top of ascent, edge of mesa, 50 ft. above hollow, bears
N. 30° W. and S. 30° E.
- Enter scattering undergrowth, bears N. 30° W. and S. 30° E.
- 37.22 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground; for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S. 30°
in N. half, and S. 31 in S. half; from which
- A pinion pine, 4 ins. diam., bears N. $49^{\circ}30'$ W., 27
lks. dist., mkd. $\frac{1}{4}$ S. 30 PT.
- A pinion pine, 5 ins. diam., bears S. $82^{\circ}15'$ E., 258
lks. dist., mkd. $\frac{1}{4}$ S. 31 PT.
- 49.00 Old road, bears NW. and SE.
- 50.70 Leave timber, bears NW. and SE.
- 72.20 Enter scattering timber, bears N. 60° E. and S. 60° W.
- 77.22 The cor. of secs. 29, 30, 31, and 32.
- Land, mountainous and nearly level.
- Soil, gravelly and sandy loam with clay subsoil, and stony;
1st and 4th rate.
- Timber, cedar and pinion pine.
- Undergrowth, sage.
- Good grass and white sage for grazing.
- Mountainous land, 32.20 chs.

Subdivision of T.14 S., R.9 E.

Chains.

Landed

N.0°1'W. bet. secs. 29 and 30. 00.00

Over nearly level mesa, thru scattering timber and scattering undergrowth, asc. gradually.

3.00 Leave timber, bears N.60°E. and S. 60°W.

6.10 Gully, 30 lks. wide, 20 ft. deep, course SE.

16.60 Enter heavy timber, bears E. and W.

20.00 Top of low spur, 50 ft. above sec. cor., bears E. and W.
Leave timber, bears E. and W.

Desc. gradually.

24.00 Enter scattering timber, bears E. and W.

26.00 Leave timber, bears E. and W.

28.50 Enter plowed land, 8 lks. wide, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 inch diam., 2 1/2 ins. in
the ground, for 1/4 sec. cor., mkd. on brass cap 1/4 S 30
in W. half; and S.89. in E. half; from which

A pinion pine, 12 ins. diam., bears S.34°W., 213
lks. dist., mkd. 1/4 S 30 BT.

No other trees within limits.

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft.
dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.
high, W. of cor.

40.00 Hollow, 30 ft. below spur, course E.

Asc. gradually.

58.10 Enter plowed ground, 65 lks. wide, bears N.70°W., 10 chs.;
and S.70°E., 10 chs.

60.00 Enter scattering timber, bears E. and W.

63.00 Spur, 40 ft. above hollow, bears E. and W.
Desc. gradually.

65.00 Leave timber, bears E. and W.

70.00 Enter scattering timber, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 2 1/2 ins. in
the ground, for cor. of secs. 19, 20, 29, and 30, mkd.
on brass cap

T 14 S S 19 in NW.,

R 9 E S 20 in NE.,

Subdivision of T. 14 S., R. 9 E.

Chains.

S 29 in SE., and

S 30 in SW. quadrant; from which

A. pinion pine, 4 ins. diam., bears N. 60° 45' E.,

101 lks. dist., mkd. T 14 S. R 9 E S 20 RT.

A. pinion pine, 4 ins. diam., bears S. 16° 15' E.,

185 lks. dist., mkd. T 14 S. R 9 E S 29 RT.

A. pinion pine, 8 ins. diam., bears S. 76° W.,

121 lks. dist., mkd. T 14 S. R 9 E S 30 RT.

A. pinion pine, 7 ins. diam., bears N. 45° 30' W.,

42 lks. dist., mkd. T 14 S. R 9 E S 19 RT.

Land, nearly level or rolling mesa.

Soil, gravelly and sandy loam, with clay subsoil; 1st
rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass and white sage for grazing.

Heavily timbered land, 1.50 cbs.

S. 40° 55' E. on a random line bet. secs. 20 and 21.

Set temp. $\frac{1}{4}$ sec. cor.40.04 Intersect N. and S. line, 8 lks. N. of cor. of secs. 20,
21, 28, and 29.

Thence I run

N. 59° 55' E. on a true line bet. secs. 20 and 21.

Over rolling mesa, thru scattering timber, desc. gradually,
over ground draining SW.30.10 Leave mesa and enter rocky gorge, 90 ft. deep, course S.
30° E.

30.00 Edge of mesa, 90 ft. above gorge, bears N. 60° W. and S. 30° E.

34.04 Leave mesa and enter same rocky gorge, course N. 70° W.
Asc. along bed of gorge.40.02 The point for $\frac{1}{4}$ sec. cor. falls on a solid sandstone
ledge, bears N. 65° W. and S. 65° E., on brink of gorge,

Subdivision of T. 14 N., R. 2 E.

Chains.

Continued

50 ft. above bottom.

I chisel a cross (X) at the exact corner point, and set

40.20 Set an iron post, 3 ft. long, 1 inch diam., 2 1/2 ins. in the ground, for a Witness Corner to the 1/4 sec. cor., mkd. on brass cap S. 24.80 W. 89.80 W. 15.20 in N. half, and S. 29 in S. half; from which the said

A cedar, 14 ins. diam., bears N. 77° W., 60 lks. dist., mkd. W. 20 S. 20 E. and 151

A cedar, 11 ins. diam., bears S. 60° W., 40 lks. dist., mkd. W. 2 S. 29 E. and 151

43.00 Bottom of same gorge, 40 ft. below 1/4 sec. cor., course N. 70° E. 1/2

Thence along N. side of gorge.

41.00 Head of same gorge, 25 ft. deep, course S. 80° E.

Leave timber and enter scattering undergrowth, bears

N. and S. 1/2

Thence over mesa.

48.40 Enter plowed ground, 8 lks. wide, bears N. 72° W. and S. 72°

40.04 The cor. of secs. 19, 20, 29, and 30.

Land, rolling mesa and mountainous.

Soil, sandy and clay loam, with clay subsoil, and stony;

1st and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass for grazing.

Mountainous land 14.52 cks.

Nov. 20, 1910.

Nov. 21, 1910: At 7 h 55 m a.m., 1 m.t., I set off 39°

35' N. on the lat. arc; 19° 45' S. on the decl. arc; and

determine a meridian with the solar at the cor. of secs.

19, 20, 29, and 30.

Subdivision of T.14 S., R.9 E.

Chains.

Thence I run

N.89°55'W. on a random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.15 Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs.
19, 24, 25, and 30, heretofore described.

Thence I run

S.89°54'E. on a true line bet. secs. 19 and 30.

Over mountainous land, thru scattering timber, desc.

2.15 Hollow, 35 ft. below sec. cor., course S.25°E.

Asc.

12.15 Spur, 40 ft. above hollow, bears NW. and S.25°E.

Desc.

14.15 Gully, 20 lks. wide, 5 ft. deep, course S.25°E.

20.65 Hollow, 50 ft. below spur, course N.60°E.

Thence over mesa, asc. gradually.

37.15 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 19
in N. half and S.30 in S. half; from which

A pinion pine, 7 ins. diam., bears N.85°W., 198 lks.
dist., mkd. $\frac{1}{4}$ S 19 BT.

A pinion pine, 12 ins. diam., bears S.71°E., 250
lks. dist., mkd. $\frac{1}{4}$ S 30 BT.

48.40 A black volcanic dike, carrying some traces of iron,
11 lks. wide, bears N. and S., on spur, 40 ft. above
hollow, bears N. and S.

Desc. gradually.

53.05 Enter plowed ground, 10 lks. wide, bears N.30°E. and
S.30°W.

55.70 Old road, bears N. and S.

Enter scattering undergrowth, bears N. and S.

77.15 The cor. of secs. 19, 20, 29, and 30.

Land, mountainous and nearly level.

Soil, sandy and clay loam, with clay subsoil, and stony;
1st and 3rd rate.

Timber, cedar and pinion pine.

Subdivision of T. 14 S., R. 9 E.

Chains.	Contd.
	Undergrowth, sage.
	A little grass and white sage for grazing.
	Mountainous land, 20.65 chs.

	N. 0° 01' W. bet. secs. 19 and 20.
	Over rolling mesa, thru scattering timber and scattering undergrowth; desc. gradually.
4.06	Enter plowed ground, 6 lks. wide, bears N. 72° W. and S. 72° E.
8.75	Hollow, 25 ft. below sec. cor., course E. Asc. gradually.
20.00	Leave timber, bears E. and W.
24.50	Old road, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 inch diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 19 in W. half, and S 20 in E. half; dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
48.00	I observe E., 9.00 chs., to the W. edge of plowed ground, 200 lks. wide, bears N. and S.
48.50	The highest point on mesa along this line, the summit bears N. 70° E. and S. 70° W. Desc. gradually.
52.25	Enter plowed ground, seeded to wheat, bears E., 120 lks., and W., 130 lks.
63.87	Leave plowed ground, bears E. and W.
80.00	Set an iron post, 3 ft. long, 8 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, mkd. on brass cap T 14 S S 18 in NW., R 9 E S 17 in NE., S 20 in SE., and S 19 in SW. quadrant; dig pits, 18x18x12 ins., in

Subdivision of T.14 S. R.9 E.

Chains.

each sec., $5\frac{1}{2}$ ft. dist.; and raise a mound of earth,
4 ft. base, 2 ft. high, W. of cor.

Land, rolling mesa.

Soil, sandy and clay loam, with clay and shale subsoil;
1st rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass and white sage for grazing.

Nov. 21, 1910: At this cor. I set off $19^{\circ}50'S$. on the
decl. arc; and, at 11 h 46 m a.m., l.m.t., observe the
sun on the meridian; the resulting lat. is $39^{\circ}36'N$.,
or within 1' of the proper lat.

$S.89^{\circ}53'E$. on a random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
16, 17, 20, and 21.

Thence I run

$N.89^{\circ}54'W$. on a true line bet. secs. 17 and 20.

Over rolling mesa, thru scattering undergrowth, desc.
gradually.

3.88 Enter plowed land, 7 lks. wide, bears N. and S.

10.00 Old road, bears NE. and SW.

32.30 Trail, bears N. and S.

38.70 Enter plowed ground, bears N., 3.00 chs., and S., 12.00
chs.

39.99 Set an iron post, 3 ft. long, 1 inch diam., $2\frac{1}{2}$ ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 17
in N. half and S 20 in S. half; dig pits, $18 \times 18 \times 12$ ins.,
E. and W. of post, 3 ft. dist.; and raise a mound of
earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Asc. gradually over land draining NE.

Subdivision of T.14 S., R.9 E.

Chains.	
42.22	Leave plowed ground, bears N. and S.
79.98	The cor. of secs. 17, 18, 19, and 20.
	Land, rolling mesa.
	Soil, sandy and clay loam, with clay subsoil; 1st rate.
	No timber.
	Undergrowth, sage.
	A little grass for grazing.
<hr/>	
	N.89°54'W. on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.04	Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 13, 18, 19, and 24, heretofore described.
	Thence I run
	S.89°55'E. on a true line bet. secs. 18 and 19.
	Over mountainous land, thru heavy timber, asc. gradually
11.00	Top of spur, 15 ft. above sec. cor., bears NE. and SW.
	Desc. gradually.
17.00	Leave heavy and enter scattering timber, bears N. and S.
18.40	Foot of descent, edge of mesa, 100 ft. below spur, bears N.20°E. and S.20°W.
23.40	Leave timber and enter scattering undergrowth, bears N. and S.
37.04	Set an iron post, 3 ft. long, 1 inch diam., 2 $\frac{1}{2}$ ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 18 in N. half and S 19 in S. half; dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
55.40	Leave undergrowth and enter scattering timber, bears N. and S.
56.70	Bottom of gully, 40 lks. wide, 20 ft. deep, course N. Leave mesa and begin ascent, bears N. and S.
62.40	Top of round knoll, 150 ft. above gully, 100 lks. diam.

Subdivision of T. 14 S., R. 9 E.

Chains.

Desc.

67.40 Foot of descent, edge of mesa, 125 ft. below knoll, bears
N. and S.

Leave timber and enter scattering undergrowth, bears N.
and S.

77.04 The cor. of secs. 17, 18, 19, and 20.

Land, mountainous and nearly level.

Soil, sandy and clay loam, with clay subsoil, and stony;
1st and 3rd rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass and white sage for grazing.

Mountainous land, 29.10 chs.

N. 0° 01' W. bet. secs. 17 and 18.

Over rolling mesa, thru scattering undergrowth, desc.
gradually.

10.00 Enter scattering timber, bears E. and W.

15.90 Old road, bears N. 70° E. and S. 70° W.

19.57 A rocky gulch, 25 lks. wide, 10 ft. deep, and 40 ft. below
sec. cor., course N. 60° E.

A spring branch of strongly alkaline water, 1 link
wide, 1 inch deep; in bottom of gulch.

32.25 Leave mesa and begin descent into gulch, bears N. 30° W.
and S. 30° E.

34.00 Bottom of gulch, 125 ft. below mesa, course N. 30° W.
Asc. abruptly.

35.28 West point of rocky spur, 125 ft. above gulch, bears
E. and W.

Desc.

40.00 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 18
in W. half and S 17 in E. half;

Subdivision of T. 14 S., R. 9 E.

Chains.

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from which

A pinion pine, 4 ins. diam., bears S.14°30'E., 331 lks. dist., mkd. $\frac{1}{4}$ S 17 BT.

A cedar, 6 ins. diam., bears S.12°W., 46 lks. dist., mkd. $\frac{1}{4}$ S 18 BT.

43.50 Bottom of same gulch, 150 ft. below spur, course N.25°E.
Desc. along bottom of gulch.

44.75 Bottom of main gulch, 175 ft. below spur, course NE.,
from N.80°W.

Asc.

47.52 Base of sandstone ledge, 30 ft. high, bears NE. and SW.
Leave undergrowth, bears NE. and SW.

49.00 Leave scattering and enter heavy timber, bears E. and W.

69.08 Top of spur, 200 ft. above gulch, bears NE. and W.
Desc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 7, 8, 17, and 18, mkd. on
brass cap

T 14 S S 7 in NW.,

R 9 E S 8 in NE.,

S 17 in SE., and

S 18 in SW. quadrant; from which

A pinion pine, 9 ins. diam., bears N.27°E., 34 lks. dist., mkd. T 14 S R 9 E S 8 BT.

A cedar, 8 ins. diam., bears S.33°E., 81 lks. dist., mkd. T 14 S R 9 E S 17 BT.

A cedar, 16 ins. diam., bears S.72°W., 34 lks. dist., mkd. T 14 S R 9 E S 18 BT.

A cedar, 7 ins. diam., bears N.8°45'W., 67 lks. dist., mkd. T 14 S R 9 E S 7 BT.

Land, mountainous and nearly level.

Soil, sandy and clay loam, with clay subsoil; and stony;
1st and 3rd rate.

Timber, cedar and pinion pine.

Undergrowth, sage and greasewood.

Subdivision of T.14 S. R.9 E.

Chains.

Mountainous land, 47.75 chs.

Nov. 21, 1910.

Nov. 22, 1910: At 7 h 56 m. a.m., l.m.t., I set off 39°
 $36'N.$ on the lat. arc; $19^{\circ}58'S.$ on the decl. arc; and
 determine a meridian with the solar at the cor. of secs.
 7, 8, 17, and 18.

Thence I run

S. $89^{\circ}54'E.$ on a random line bet. secs. 8 and 17.40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 3 lks. S. of the cor. of secs.
 8, 9, 16, and 17.

Thence I run

N. $89^{\circ}55'W.$ on a true line bet. secs. 8 and 17.

Over canon bottom, thru scattering undergrowth, desc.

2.50 Gordon Creek, 12 lks. wide, 4 ins. deep, in gully, 40 ft.
 below sec. cor., course N. $30^{\circ}E.$

Asc.

10.50 N. edge of channel, 40 ft. above creek, bears N. $70^{\circ}E.$ and
 S. $70^{\circ}W.$

16.20 Road, bears N. $60^{\circ}E.$ and S. $60^{\circ}W.$, Price to Porphyry Bench.

20.10 Leave canon bottom and begin ascent over ledges, bears
 NE. and SW.

21.00 Leave ledges, bear NE. and SW.

Leave undergrowth and enter scattering timber, bears NE,
 and SW.

Thence along rough side hill, draining S., asc.

33.00 Begin descent along sidehill, draining S., 275 ft. above
 Creek.

40.01 Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 8
 in N. half and S 17 in S. half; from which
 A pinion pine, 7 ins. diam., bears N. $69^{\circ}30'W.$,

Subdivision of T.14 S., R.8 E.

Chains.	
	69 lks. dist., mkd. $\frac{1}{4}$ S 8 BT.
	A pinion pine, 12 ins. diam., bears S.77°15'W., 63 lks. dist., mkd. $\frac{1}{4}$ S 17 BT.
41.35	Top of sandstone ledge, 30 ft. high, bears N. and S. Leave timber, bears N. and S.
44.00	Gordon Creek, 12 lks. wide, 4 ins. deep, in gully, 100 ft. below ledge, course S., 1.25 chs., to brink of falls; thence SW., falling 35 ft. over solid sandstone ledge. Asc. thru scattering undergrowth, bears N. and S.
53.00	Leave canon bottom and begin ascent, bears N. and S. Leave undergrowth, bears N. and S.
54.00	Enter heavy timber, bears N. and S.
54.24	A pinion pine, 5 ins. diam., mkd. for line tree, and flagged.; mkd. with 2 chops on E. and W. sides.
80.02	The cor. of secs. 7, 8, 17, and 18. Land, mountainous and nearly level canon bottom. Soil, deep clay loam, with clay alluvial subsoil, and stony; 1st and 3rd rate. Timber, cedar and pinion pine. Undergrowth, sage and greasewood. A little grass for grazing. Mountainous land, 50.92 chs.
	N.89°55'W. on a random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
77.00	Intersect W. bdy. of Tp., at cor. of secs. 7, 12, 13, and 18, heretofore described. Thence I run S.89°55'E. on a true line bet. secs. 7 and 18. Over mountainous land, thru heavy timber, desc. gradually along side hill, draining NE.
37.00	Set an iron post, 3 ft. long, 1 inch diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 7

Subdivision of T.14 S.. R.9 E.

Chains.

in N. half and S 18 in S. half; from which

A pinion pine, 10 ins. diam., bears N.4°E., 31 lks. dist., mkd. $\frac{1}{4}$ S 7 BT.

A cedar, 6 ins. diam., bears S.66°E., 21 lks. dist., mkd. $\frac{1}{4}$ S 18 BT.

77.00 The cor. of secs. 7, 8, 17, and 18.

Land, mountainous.

Soil, sandy loam with clay, shale, and stony subsoil;

2nd rate.

Timber, cedar and pinion pine.

A little grass for grazing.

Mountainous land, 77.00 chs.

Nov. 22, 1910: At this cor. I set off 20°03'S. on the decl. arc; and, at 11 h 46 m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 39° 36'N., or within 1' of the proper lat.

N.0°01'W. bet. secs. 7 and 8.

Over mountainous land, thru heavy timber, desc.

3.00 Begin steep descent, bears E. and W.

Leave heavy and enter scattering timber, bears E. and W.

6.00 Leave timber, bears E. and W.

7.00 Foot of descent, enter bottom of canon, 150 ft. below sec. cor., bears E. and W.

Enter scattering undergrowth, bears E. and W.

8.50 Gordon Creek, 15 lks. wide, 5 ins. deep, course E.

15.00 Leave canon bottom and begin ascent, bears E. and W.

Leave undergrowth and enter scattering timber, bears E. and W.

25.00 Top of ascent, edge of mesa, 175 ft. above canon bottom, bears E. and W.

30.00 Leave timber and enter scattering undergrowth, bears E.

Subdivision of T. 14 S., R. 9 E.

Chains.	
	and W; thence asc. gradually.
35.22	Telephone line, leading from Price to Clear Creek, bears N.83°E. and S.83°W..
35.68	Road from Spring Glen to Grames' Ranch, bears N.83°E. and S.83°W.
40.00	Set an iron post, 3 ft. long, 1 inch diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 7 in W. half and S 8 in E. half; from which A pinion pine, 10 ins. diam., bears S.83°E., 210 lks. dist., mkd. $\frac{1}{4}$ S 8 BT. A pinion pine, 9 ins. diam., bears N.86°15'W., 171 lks. dist., mkd. $\frac{1}{4}$ S 7 BT.
45.00	Enter scattering timber, bears NW. and SE.
51.00	A cedar, 6 ins. diam., mkd. for line tree, and flagged, on E. point of spur, 250 ft. above canon bottom, and bearing N.70°W. Tree mkd. with 2 chops on N. & S. sides. Desc. gradually.
55.00	Leave timber and enter scattering undergrowth, bears NW. and SE.
73.50	Bottom of smooth hollow, 75 ft. below spur, course S.60°E. Asc. gradually.
77.75	Old road, bears N.60°W. and S.60°E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, mkd. on brass cap T 14 S S 6 in NW., R 9 E S 5 in NE., S 8 in SE., and S 7 in SW. quadrant; from which A pinion pine, 15 ins. diam., bears N.21°E., 137 lks. dist., mkd. T 14 S R 9 E S 5 BT. A pinion pine, 11 ins. diam., bears S. 72°30'E., 233 lks. dist., mkd. T 14 S R 9 E S 8 BT. A pinion pine, 11 ins. diam., bears N.24°W., 98 lks. dist., mkd. T 14 S R 9 E S 6 BT.

Subdivision of T.14 S.. R.9 E.

Chains.

No other trees within limits; dig a pit, 24x24x18 ins., SW. of post, $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous and nearly level mesa.

Soil, clay and sandy loam, with clay subsoil, and stony; 1st and 3rd rate.

Timber, cedar and pinion pine.

Undergrowth, sage and greasewood.

A little grass and white sage for grazing.

Mountainous land, 17.00 chs.

S.89°55'E. on a random line bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 4, 5, 8, and 9.

Thence I run

N.89°57'W. on a true line bet. secs. 5 and 8.

Over nearly level mesa, thru scattering undergrowth, asc. gradually.

9.15 Gully, 8 lks. wide, 5 ft. deep, course S.30°E.

20.00 Gully, 15 lks. wide, 6 ft. deep, course SE.

40.02 Set an iron post, 3 ft. long, 1 inch diam., ~~26~~ ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 5 in N. half and S 8 in S. half; dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

From this cor. I observe S.24°W., 38.00 chs., to the N.W. cor. of Hendricksen's fenced field, bears S.26°W., about 13 chs., and S.64°E., about 13 chs.

Also, I observe S.20°E., 35 chs., to the NE. cor. of plowed tract, bears S.70°W. about 10 chs., and S.20°E., about 12 chs.

Subdivision of T.14 S., R.2 E.

Chains.

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- 64.00 Leave undergrowth and enter heavy timber, bears N.30°E. and S.30°W.
- 69.00 Leave timber and enter scattering undergrowth, bears N. and S.
- 69.20 Top of low spur, 60 ft. above gully, bears N. and S. Desc. gradually.
- 75.00 Leave undergrowth and enter heavy timber, bears N. and S.
- 75.60 Gully, 12 lks. wide, 5 ft. deep, course S. Leave timber and enter scattering undergrowth, bears NW. and SE.
- 80.04 The cor. of secs. 5, 6, 7, and 8.
- Land, nearly level or rolling mesa.
- Soil, sandy and clay loam, with clay subsoil; 1st rate.
- Timber, cedar and pinien pine.
- Undergrowth, sage and greasewood.
- A little grass and white sage for grazing.
- Heavily timbered land, 8.00 chs,

Nov. 22, 1910: At this cor. I set off 39°37'N. on the lat. arc; 20°02'S. on the decl. arc; and, at 3 h 46 m p.m., l.m.t., determine a meridian with the solar, and observe S.0°02'E. to the flag set at 51.00 chs., N.0°02'W. bet. secs. 7 and 8.

- N.89°55'W. on a random line bet. secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 70.97 Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described.
- Thence I run
- S.89°53'E. on a true line bet. secs. 6 and 7.
- Over nearly level canon bottom, thru scattering undergrowth, asc. gradually.
- 3.90 Leave canon bottom and begin ascent over boulders and

Subdivision of T.14 S., R.9 E.

Chains.

ledges, bears N.20°W. and S.20°E.

4.40 Leave ledges and enter scattering timber, bears NW. and SE.

25.00 Top of ledge of shale and sandstone, 50 ft. high, bears N.60°W. and S.60°E.

Asc. more gradually.

28.23 A pinion pine, 5 ins. diam., marked for line tree, and flagged; mkd. with 2 chops on E. and W. sides.

28.40 Top of ridge, 550 ft. above canon bottom, bears N.60°W. and S.75°E.

Desc. gradually.

30.97 Set an iron post, 3 ft. long, 1 inch diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 6 in N. half and S 7 in S. half; from which

A pinion pine, 7 ins. diam., bears N.14°W., 51 lks. dist., mkd. $\frac{1}{4}$ S 6 BT.

A cedar, 14 ins. diam., bears S.41°W., 55 lks. dist., mkd. $\frac{1}{4}$ S 7 BT.

41.90 Top of sandstone ledge, 20 ft. high, bears NW. and SE. Desc. abruptly.

51.90 Foot of descent, edge of mesa, 400 ft. below ridge, bears NW. and SE.

Leave timber and enter scattering undergrowth, bears NW. and SE.

Desc. gradually.

70.40 Bottom of gully, 10 lks. wide, 3 ft. deep, course S.60°E. Asc. gradually.

73.46 Old road, bears N.60°W. and S.60°E.

76.97 The cor. of secs. 5, 6, 7, and 8.

Land, mountainous and nearly level.

Soil, sandy and clay loam, with clay subsoil, and stony; 1st and 4th rate.

Timber, cedar and pinion pine.

Undergrowth, sage and greasewood.

A little grass and white sage for grazing.

Subdivision of T.14 S., R.9 E.

Chains.

Mountainous land, 51.90 chs.

Nov. 22, 1910: At this cor. I observe Polaris, at 5 h 25 m p.m., l.m.t., in twilight; the star bears $N. 1^{\circ} 20'$

E., according to the meridian defined by the solar;

Time of U.C. Polaris, Nov. 15, 1910, 9 h 51.6 m p.m., l.m.t.

Reduction to Nov. 22, subtract 27.6

L.m.t. (astronomical) U.C. Pol. Nov. 22, 9 h 24 m

L.m.t., (astronomical) of observation, 5 h 25 m

Hour angle of Pol. 3 h 59 m

Azimuth of Polaris to the E. of N.,

from the Manual, page 106, $1^{\circ} 20'$ ✓

Nov. 22, 1910.

Nov. 23, 1910: At 8 h 46 m a.m., l.m.t., I set off $39^{\circ} 37' N.$ on the lat. arc; $20^{\circ} 11' S.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 7, and 8; this meridian agrees within $1'$ of arc with the meridian determined Nov. 22, 1910, by the solar, and checked by hour angle observation on Polaris; therefore I conclude that the adjustments of the instrument have remained satisfactory, thruout this survey.

Thence I run

$N. 0^{\circ} 01' W.$ on a true line bet. secs. 5 and 6.

Over nearly level mesa, thru scattering undergrowth,

0.55 Gully, 12 lks. wide, 3 ft. deep, course $S. 60^{\circ} E.$

Leave mesa and begin ascent over broken ground, bears $N. 60^{\circ} W.$ and $S. 60^{\circ} E.$

0.75 Leave undergrowth and enter scattering timber, bears $N. 60^{\circ} W.$ and $S. 60^{\circ} E.$

22.83 Foot of shale ledge, 30 ft. high, bears E. and W.

Subdivision of T.14 S., R.9 E.

Chains.

- 25.00 A pinion pine, 6 ins. diam., marked for a line tree, with two chops on N. and S. sides.
- 25.18 Top of steep ascent, edge of broad flat ridge, 500 ft. above sec. cor., bears E. and W.
- Leave scattering and enter heavy timber, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 inch diam., 2 $\frac{1}{2}$ ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 6 in W. half and S 5 in E. half; from which
- A pinion pine, 7 ins. diam., bears S.44°E., 49 lks. dist., mkd. $\frac{1}{4}$ S 5 BT.
- A pinion pine, 8 ins. diam., bears S.40°W., 22 lks. dist., mkd. $\frac{1}{4}$ S 6 BT.
- 47.15 A pinion pine, 4 ins. diam., mkd. and flagged for a line tree; mkd. with 2 chops on N. and S. sides.
- 47.50 Leave ridge top and begin descent, bears NW. and SE.
- Leave heavy and enter scattering timber, bears NW. and SE.
- 61.00 Bottom of hollow, 400 ft. below ridge, course SE.
- Asc.
- 71.59 Top of sandstone ledge, 80 ft. high, bears E. and W.
- 73.00 Top of ascent, edge of mesa, 400 ft. above hollow, bears E. and W.
- Enter scattering undergrowth, bears E. and W.
- 83.71 Intersect N. edy. of Tp., 99 lks. N.89°45'E. of the cor. of secs. 5, 6, 31, and 32, heretofore described.
- I destroy all marks on this cor. pertaining to secs. 5 and 6; and at the point of intersection
- Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing corner for secs. 5 and 6, mkd. on brass cap
- T 13 S R 9 E S 31 S 32 CC in N. half,
- S 5 in SE., and
- S 6 in SW. quadrant, and
- T 14 S in S. half; from which
- A cedar, 14 ins. diam., bears S.60°45'E., 62 lks.

Subdivision of T. 14 S., R. 9 E.

Chains.

dist., mkd.: T. 14 S. R. 9 E. S. 5 BT.

A pinion pine, 11 ins. diam., bears S. 78° 10' W.,

125 lks. dist., mkd. T. 14 S. R. 9 E. S. 6 BT.

Land, mountainous and nearly level mesa.

Soil, sandy loam with clay subsoil, and stony; 1st and 3rd rate.

Timber, cedar and pinion pine.

Undergrowth, sage.

A little grass and white sage for grazing.

Mountainous or heavily timbered land, 72.45 chs.

Nov. 23, 1910.

GENERAL DESCRIPTION.

This township consists mainly of nearly level mesas, cut from west to east by Gordon Creek Canon and Pinnacle, Garley, and Horse Canons, while the tributary gorges leading to these main canons cut the ground northerly or southerly. The broad, flat ridges are essentially similar in characteristics to the more extensive mesas on lower levels; and nearly all of these flat or gently rolling areas would be suitable for cultivation. Owing to the depth and ruggedness of the canons and gorges, and the great lengths of nearly vertical ledges of shale and sandstone skirting the flat ridges and mesas, and the scarcity of water supply in Gordon Creek in midsummer, there being at such times insufficient to supply existing rights to the water during dry seasons, it would appear that farming without irrigation would be the only means of reclaiming the larger areas of land suitable for farming. Except when the snow is

Subdivision of T.14 S., R.9 E.

GENERAL DESCRIPTION, Continued.

melting, in the spring and early summer seasons, the water in other canons or gorges than that of Gordon Creek is alkaline in character, increasing in alkalinity as the source of the spring branch is farther east; and it is probable that the alkaline content of the soil would be increased until vegetation would not thrive, if the streams of strongly alkaline water should long be applied in irrigation.

The water supply might be conserved by means of a system of reservoirs. Probably the most valuable and practicable site for a reservoir is in secs. 5, 6, 7, and 8, in T.14 S., R.8 E., with a damsite NE. from the center of sec. 8.

The timber is cedar and pinion pine, usually scrubby in growth, and the best of it being valuable mainly for posts and fuel.

The undergrowth is mainly sage, except in canon bottoms or along water courses, where greasewood and occasionally willows may be found.

The soil along Gordon Creek is a rich clay alluvial deposit, which is exposed to the depth of as much as 50 ft. in some parts, and shows but little variation in texture or character. The rank growth of sage, grass, and other vegetation supported by this soil show it to be exceptionally strong and fertile. The soil on the flat ridges and mesas is mainly clay and sandy loam, with a hard clay subsoil, admirably adapted to conserving the moisture, but generally lacking in vegetable mold, and therefore probably not capable of producing the best crops during the first two or three years of cultivation, but susceptible of great improvement thru cropping and tillage.

Except where the range has been overstocked with sheep,

Subdivision of T.14 S., R.9 E.

GENERAL DESCRIPTION, Continued.

horses, and cattle, there is fair pasturage, consisting of various native grasses and the white sage, which latter in this country is generally indicative of excellent ground for farming.

The settlers in this township, S. of Gordon Creek, on what is known as Porphyry Bench, have worked jointly at building a trail, in the SE. $\frac{1}{4}$ and the SW. $\frac{1}{4}$ of sec. 21, and a wagon road in the NE. $\frac{1}{4}$ of sec. 17, leading up on the Bench.

All of the improvements observed in this township were noted and located at some convenient point along the survey line on the boundary of each section containing such improvements.

The improvement noted at 38.70 chs. and 42.22 chs. N. 89° 54' W. bet. secs. 17 and 20, consisting of about 5 acres cleared and plowed, is claimed by C.E. McMurray.

Estimated value of the improvement, \$35

Interest in the dugway for road leading to

Porphyry Bench, \$90

Total estimated value of the improvements

claimed by C.E. McMurray, \$125

The improvements in the W. half of the NW. $\frac{1}{4}$ and the NW. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of sec. 20, and in the E. half of the NE. $\frac{1}{4}$ of sec. 19, are claimed by F.J. Thomas, of Price, Utah. These improvements consist of clearing and plowing about 18 acres, and of seeding about 3 acres of this area to wheat.

Estimated value of the improvements, \$150

Interest in the dugway for trail, leading

from Pinnacle Canon to Porphyry Bench, \$30

Total estimated value of improvements claimed

by F.J. Thomas, \$180

The improvements noted at 28.50 and 58.15 chs., N. 0° 01' W.

Subdivision of T.14 S., R.9 E.

GENERAL DESCRIPTION, Continued.

bet. secs. 29 and 30, and consisting of small tracts cleared and plowed, area about 2 acres, were reported to me as claimed by Thomas Fitzgerald.

Estimated value of the improvement, \$15

Interest in the dugway for trail, \$35

Total estimated improvements claimed by Thomas

Fitzgerald, \$50

The improvements noted at 68.40 chs., N.89°53'W. bet. secs. 20 and 29; at 53.05 chs., S.89°54'E. bet. secs. 19 and 30; and at 4.00 chs., N.0°01'W. bet. secs. 19 and 20, and consisting of narrow strips cleared and plowed, were reported to me as claimed by W.E.Christensen.

Estimated value of the improvements, \$15

Interest in the dugway for road, \$150

Total estimated value of improvements claimed

by W.E.Christensen, \$165

The tract of plowed ground, area about 17 acres, the SE. cor. of which is 3.35 chs. W., and 20 chs. N. of the cor. of secs. 20, 21, 28, and 29, is claimed by John Boyd.

Estimated value of the improvement, \$120

The strips of plowed ground noted at 59.65 chs. N.0°01' W. bet. secs. 20 and 21; at 3.88 chs. N.89°54'W. bet. secs. 17 and 20; at 53.37 chs. N.0°01'W. bet. secs. 16 and 17; at 68.75 chs. N.89°55'W. bet. secs. 16 and 21; at 75.60 chs. North bet. secs. 21 and 22; at 72.60 chs. N.89°53'W. bet. secs. 15 and 22; and at 20.00 chs. North bet. secs. 15 and 16, are all claimed by George A. Fausett, Seren Olsen, and James O. Fausett, who worked conjointly at these improvements, and at

Subdivision of T. 14 S., R. 9 E.

GENERAL DESCRIPTION, Continued.

building dugways for trail and road leading to Porphyry Bench.

Estimated value of improvements,

Clearing and plowing 3 acres, \$21

Interest in dugways for trail and road, \$150

Total estimated value of improvements claimed

by George A. Fausett, Seren Olsen, and

James O. Fausett, \$171

One-third interest credited to each claimant, ... \$57

The improvements in sec. 8, consisting of a fenced and cultivated field, area about 17 acres; and a newly plowed tract of about 12 acres area, were reported to me as belonging to Mr. Hendricksen.

Estimated value of the improvements, \$500

In the SE. $\frac{1}{4}$ of sec. 5 is a plowed tract, area about 0.8 acre, estimated value of the improvement, \$6.00; after diligent inquiry I failed to learn the name of claimant.

In the SW. $\frac{1}{4}$ of the SE. $\frac{1}{4}$ of sec. 10, the tract on the W. side of Dominico Milano's fence, area about 3 acres, is claimed by L.W. McCarty.

Estimated value of the improvements, \$25.

Interest in dugway for road leading to

Perphyry Bench, \$100

Total estimated value of improvements claimed

by L.W. McCarty, \$125.

The log house and the cultivated ground, area about 15 acres, on the east side of Dominico Milano's fence, in the SW. $\frac{1}{4}$ of the SE. $\frac{1}{4}$ and in the SE. $\frac{1}{4}$ of the

Subdivision of T.14 S. R.9 E.

GENERAL DESCRIPTION, Continued.

SE. $\frac{1}{4}$ of sec. 10, and the small ditch leading from Gordon Creek at 8 chs. N., 4 chs. E. of the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 15, are claimed by Dominico Milano. Total estimated value of the improvements,.....\$600.

An irrigation ditch leading from Gordon Creek at 8.00 chs. N. and 0.75 chs. E. of the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 15, and the uncompleted tunnel and ditch noted at 54.69 chs. S.89°53'E. bet. secs. 10 and 15, are claimed by James Pace of Price, Utah. These ditches are for supplying lands in secs. 13 and 14.

Total estimated value of the improvements claimed by James Pace in secs. 10 and 15,.....\$1200.

The telephone line running from Price to Clear Creek, Winter Quarters, and Scofield, is owned by the Eastern Utah Telephone Co.

Clarence S. Jarvis,

U.S. Deputy Surveyor.

Note:-

There being no notary public, or other officer authorized to administer oaths, within a reasonable distance, in order to save time and expense I administer the preliminary oaths of my assistants for all the surveys embraced in this contract; also the final oaths of assistants for W. and E. bds. T.14 S., R.8 E., and the final oath of George T. Burridge for a portion of the subdivision of T.14 S., R.8 E.

Clarence S. Jarvis,

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Clarence S. Jarvis
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of the fractional
subdivisions, and retracements and resurvey of
T. 14 S., R. 8 and 9 E.; and T. 15 S., R. 9 E., of the Salt Lake Base and Meridian
 showing the respective capacities in which they acted:

Ivan Pace _____, Chainman.

J. William Betz _____, Chainman.

Harry Bryner _____, Moundman.

_____, Moundman.

Lewis H. McCarty _____, Arman.

_____, Arman.

Edward Mc Murray _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Clarence S. Jarvis
 _____, United States Deputy Surveyor, in surveying all
 those parts or portions of the fractional subdivisions, and retracements
and resurvey of

T. 14 S., R. 8 and 9 E.; and T. 15 S., R. 9 E., of the Salt Lake
Base and _____ meridian, State _____ of Utah _____, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah

Ivan Pace _____, Chainman.

J. William Betz _____, Chainman.

Harry Bryner _____, Moundman.

_____, Moundman.

Lewis H. McCarty _____, Arman.

_____, Arman.

Edward Mc Murray _____, Flagman.

Subscribed and sworn to before me this 23rd
 day of Nov. _____, 1900



Lewis H. McCarty
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Clarence S. Jarvis, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hall, United States Surveyor General for Utah, bearing date of the fifteenth day of January, 1910, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of fractional subdivisions, retracements, and resurveys, of T. 14 S., R. 8 and 9 E.; and T. 15 S., R. 9 E. of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Clarence S. Jarvis,
United States Deputy Surveyor.

Subscribed by said Clarence Jarvis, and sworn to before me }
this 13 day of March, 1911



Jessie R. Satcher Clerk
Asst. Dist. Court Dist. Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

3 Salt Lake City, Utah, May 12, 1912.

The foregoing field notes of the survey of Fractional Subdivision, retracements and resurveys of Township No. 14 South, Range No. 9 East of the Salt Lake Base and Meridian, Utah.

executed by Clarence S. Jarvis
under his contract No. 317, dated January 15, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hall
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-373

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY.

or

SALT LAKE MERIDIAN.

and

Fractional South Boundary and Resurvey of Fractional Subdivision

of
Township No. 6 South, Range No. 1 East

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Scott P. Stewart, United States Deputy Surveyor,

Under his Contract No. 319, dated March 16, 1910, 1910

Survey commenced October 28, 1910, 1910

Survey completed October 31, 1910, 1910

New found
 - back 100
 - back 100
 - back 100
 (on Salt Lake Mer)

NAMES AND DUTIES OF ASSISTANTS.

W. Howard West Chairman.

Edgar S. West Chairman.

Carl E. Hodel Chairman and stewardman.

Henry J. Lundell Chairman and steward.

Orson T. McCallister Flagman.

96A

Book "A" Cont. 319

Subs. Res.

1-00-00✓

1-00-05✓

2-00-05✓

L. Bdy.

1-00-04✓

W. Bdy

1-00-00✓

BOOK A-373

INDEX DIAGRAM.

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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

We, N. Howard Meix, Edgar S. Hurst and Carl E. Hodel and Henry G. Sundell
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

highest Lake Meridian through fractional Tps. 6 and 7 S. R. 1 E. of Salt
Lake Base and Meridian, Utah, also S. 1/2 and subdivisions T. 6 S. R. 1 E. S. 1. B. & M. Utah.
St. Howard Meix, Chainman.

Subscribed and sworn to before me this 27th } Carl E. Hodel, Chainman
day of October, 1910 } Henry G. Sundell, Chainman
Scott P. Stewart
U. S. Deputy Surveyor



We, I, Carl E. Hodel and

do solemnly swear that we will well and truly perform the duties of moundman in the establishment
of corners, according to the instructions given me to the best of my skill and ability, in the survey of
the Salt Lake Meridian, through fractional Tps. 6 and 7 S. R. 1 E. of the Salt
Lake Base and Meridian, Utah, also S. 1/2 and subdivisions T. 6 S. R. 1 E. S. 1. B. & M. Utah.
Carl E. Hodel, Moundman.

Subscribed and sworn to before me this 27th } Carl E. Hodel, Moundman
day of October, 1910 }



We, Henry G. Sundell and

do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners
and other duties, according to instructions given me to the best of my skill and ability, in the survey of
the Salt Lake Meridian through fractional Tps. 6 and 7 S. R. 1 E. of the Salt
Lake Base and Meridian, Utah, also S. 1/2 and subdivisions T. 6 S. R. 1 E. S. 1. B. & M. Utah.
Henry G. Sundell, Axman.

Subscribed and sworn to before me this 27th }
day of October, 1910 }



I, Orson W. McClellan

, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of the Salt Lake Meridian, through fractional Tps. 6 and 7 S. R. 1 E. of the
Salt Lake Base, and Meridian, Utah, also S. 1/2 and subdivisions T. 6 S. R. 1 E. S. 1. B. & M. Utah.
Orson McClellan, Flagman.

Subscribed and sworn to before me this 27th }
day of October, 1910 }



Scott P. Stewart
U. S. Deputy Surveyor

Note: Before commencing the survey of the fractional W. and S. bdy., T.7 S., R.1 E., I made an extensive re-tracement extending from the N. bdy. of T.7 S., R.1 E. to the S. bdy. of T.7 S., R.1 E., and also re-traced all the meander lines of Utah Lake in T.7 S., R.1 E. and 1 W. I ascertained by my re-tracement that not all of the meanders reported to have been run can be made to correspond with the shores of Utah Lake and after determining the probable position of the cor. of secs. 25, 30, 31 and 36, on the Salt Lake Meridian and making re-tracements of the nearest section lines and the nearest meander lines, I find that this is the most consistent position for this corner that can be obtained from the physical character of the country.

After a great deal of inquiry from the only old settlers in this neighborhood, I found that no original corner has ever been known to exist since the first settlement of the country.

Numerous surveys have been made to ascertain the probable position of patented ground in this vicinity and as far as I can learn no surveyor has found any original corner on which to base his work.

The only old settler at present living in this vicinity is Celia Cederstrom, who has lived in Sec. 29 for over forty years. She stated that neither she or her husband, who is now dead, has ever known of any original corner being found in that neighborhood.

I believe I have made the most extensive study of this problem and believe I have found the most probable position of the various corners upon which I have initiated my survey, therefore, at the point for cor. of secs. 25, 30, 31 and 36, on the Salt Lake Meridian, at which point I found slight traces of what seemed to be the pits of the original cor., and therefore at this point, I set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the

Chains ground, for cor. of secs. 25, 30, 31 and 36, and on brown cap

T 6 S S 25 in NW.

R 1 E S 30 in NE.

S 31 in SE; and

R 1 W S 36 in SW, quadrants; from which

A cedar, 6 ins. in dial, bears S. 54° 31' W., 485 lks.

dist. mkd. T 6 S R 1 W S 36 R T.

No other trees within limits; and raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

From this cor., the SW. cor. of a large rock house on Pelican Point, bears N. 75° 42' E.

The SW. cor. of Jederstrom's house, bears N. 80° 33' E.

Note: I should have stated in the note above that no original corner is known to exist in the eastern part of T. 6 S., R. 1 W., or the western part of T. 6 S., R. 1 E., south of the First Standard Parallel South of North bdy. T. 6 S., R. 1 W.

Survey commenced October 28, 1910, and executed with a Young and Sons light mountain transit, No. 7381 with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested, on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, Oct. 24, 1910.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the spirit apparatus by comparing its indications resulting from

solar observations made during p. m. and a. m. hours with a meridian determined by observation on Polaris, I proceed as follows; 21

At the re-established cor. of secs. 25, 30, 31 and 36., on W. bdy. of Tp. or Salt Lake Meridian, latitude $40^{\circ}14'46''$ N., longitude, $111^{\circ}53'47''$ W., I set off $40^{\circ}15'$ N., on the lat. arc; $15^{\circ}08'$ S., on the decl. arc; and at 3 h 44 m P.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of cor.

At the above described cor. of secs. 25, 30, 31 and 36., on the W. bdy. of Tp. or Salt Lake Meridian, at 5 h 7.3 m P.m., l.m.t., I observe Polaris at eastern elongation and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

October 28, 1910.

October 29, 1910: At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}32'$, to the west, and mark a point on the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the meridian determined by the solar.

At 7 h 44 m a.m., l.m.t., I set off $40^{\circ}15'$ N., on the lat. arc; $15^{\circ}15'$ S., on the decl. arc; and determine a meridian with the solar, and mark a point thereof on a stone, already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. E. of the meridian determined by Polaris observation.

The solar apparatus by p.m. and a.m. observations

Chains defines positions for meridian respectively about
 $0^{\circ}18'$ west and $0^{\circ}20'$ east of the meridian determined
 by Polaris observations, therefore I conclude that
 the adjustments of the instrument are satisfactory.
 The magnetic bearing of the meridian at 8 h 0 m a.m.,
 l.m.t., is $N.16^{\circ}50'W.$, the angle thus determined gives
 the mag. decl. $16^{\circ}50'E.$

Before commencing the West bdy. of this Twp. I decide
 to retrace and re-survey the lines bet/secs/30 and 31
 and bet. secs. 31 and 32. therefore I proceed as follows:
 40.00 Find no trace of original $\frac{1}{4}$ sec. cor., after diligent
 search.
 Set temp. $\frac{1}{4}$ sec. cor.
 30.05 Find no trace of original cor. of secs. 29, 30, 31 and 32,
 after diligent search.
 Set temp. sec. cor.

South on a re-tracement line bet. secs. 31 and 32.
 40.00 Find no trace of original $\frac{1}{4}$ sec. cor.
 Set temp. $\frac{1}{4}$ sec. cor.
 30.00 I find slight traces of an old mound and pits, which
 ordinarily would not be noticed but are sufficiently
 distinct to convince me that this is probably the
 original point for cor. of secs. 31, 32, 5 and 6, on

Chains bdy. of Tp. therefore at this point I
 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the
 ground, for re-established cor. of secs. 5, 6 ~~31~~ and 32..
 mkd. on brass cap
 T 6 S S 31 in NW.
 R 1 E S 32 in NE.
 R 1 E S 5 in SE, and
 T 7 S S 6 in SW, quadrants; and raise a mound
 of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
 From this cor., the SW. cor. of a large rock house
 on William Point, bears N. $29^{\circ}09'$ E.,
 Joderstrom's house, bears N. $23^{\circ}04'$ E.
 Thence I run
 W. on a re-survey line bet. secs. 31 and 32.
 Over nearly level land; through dense undergrowth.
 Asc. gently.
 13.00 Highest point on line bears E. and W.
 Desc. gently.
 40.00 Find no trace of original $\frac{1}{2}$ sec. cor. after diligent
 search.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground for re-established $\frac{1}{2}$ sec. cor. mkd. on brass cap
 $\frac{1}{2}$ S 31 in W. half and $\frac{1}{2}$ S 32 in E half; and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 40.10 Old road, bears NW. and SE.
 55.50 Old road, bears N. 70° E and S. 70° W.
 66.10 Old road, bears NW. and SE.
 71.30 Old road, bears N. 60° E. and S. 60° W.
 78.20 Old road, bears N. 60° W. and S. 60° E.
 78.90 Wash, 30 lks. wide, 4 ft. deep, course S. 80° E.
 80.00 Find no trace of original cor. of secs. 29, 30, 31 and
 32., after diligent search.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for re-established cor. of secs. 29, 30, 31 and

Chains 32..m'd. on brass cap

T 6 S S 30 in NW.

R 1 E S 29 in NE.

S 32 in SE; and

S 31 in S"; quadrants; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

From this cor. the S". cor. of rock house on Pilican Point, bears N. 60° 28' E.

The S". cor. of Cederstrom house, bears N. 64° 29' E.

Note: As a check upon the position of this cor.

I measured to the W. and found no trace of the road at 6.55 a.s. as reported in the original notes, but the descent noted at 27.30 in original notes, I find to be 26.40 and the note of 28.00 a.s. foot of descent, I find to be 28.40 a.s. The shore of Utah Lake is so poorly defined at a point E. from here that I do not regard it as important evidence.

Land, nearly level.

Soil, gravelly; 2nd rate.

No timber.

Undergrowth, sage brush.

West on a true re-survey line bet. sec. 30 and 31..
Over rolling land, through dense undergrowth.
Is. rently.

1.15 Wash, 30 lks. wide, 4 ft. deep, course SE.

5.00 Old road, bears N. 60° W. and S. 60° E.

12.00 Old road, bears N. 20° E. and S. 20° W.

13.10 Old road, bears NW. and SE.

Chains

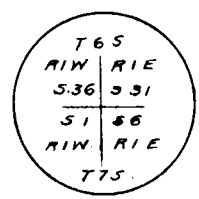
- 23.00 Old road, bears N.20°W. and S.20°E.
- 24.00 Begin steeper ascent, bears N.20°W. and S.20°E.
- 37.95 Prospect hole, 4x4x4 ft/.deep, on top of ridge, 150 ft. above sec. cor., bears N. and S.
- Desc.
- 40.00 Find no trace of old $\frac{1}{4}$ sec. cor., after diligent search. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor. mid. on brass cap $\frac{1}{4}$ S 30 in N half and S 31 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W of cor.
- 48.50 Foot of steep descent, bears N. and S.
- 49.00 Wash, 8 lks. wide, 8 ft. deep, course N. about 6.00 chs. then NE.
- 53.00 Old road, bears N.10°E. and S.10°W.
- Asc. gently.
- 68.00 Old road, bears N.60°E. and S.80°W.
- 69.60 Wash, 30 lks. wide, 3 ft. deep, course N.70°E.
- 70.80 Old road, bears N.85°W. and S.85°W.
- 80.05 the re-established cor. of secs. 25, 30, 31 and 36., on W. bdy. of Tp.
- Land, rolling and nearly level.
- Soil, gravelly and clay loam; 2nd rate.
- Undergrowth, sage brush. No timber.
- October 29, 1910: At this cor. I set off 13°20'S., on the decl. arc; and at 11 h 44 m a.m., l.m.t., I observe the sun on the meridian the resulting lat. is 40°15'N., which is the proper lat. nearly.

Chains	South on a random line bet .secs.31 and 36.	
27.00	No trace of old foot of mountain cor.can be found after diligent search.	20.22
40.00	Set temp. $\frac{1}{4}$ sec.cor.	20.70
80.00	Set temp.cor.of Tps.6 th and 7 S., R.1 E.	20.70
<hr/>		
	East on a random line bet.secs.6 and 31,on S.bdy.of Tp.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.	
75.35	Find no trace of foot of mountain cor.surported to have been set 4.65 chs W.of cor.of secs.5,6,31 and 32,after diligent search.	
80.04	Intersect N.and S.line 10 lks.S.of the re-established cor.of secs.5,6,31 and 32.	
	Thence I run	
	S.89°56'W.,on a true line bet.secs.6 and 31.	
	Over rolling land;through dense undergrowth.	
	Asc.gently.	
4.50	Leave rolling land,begin ascent of mountain,bears N.and S.	
	Asc.abruptly.	
36.00	Top of ridge,800 ft.above sec.cor.,bears N.10°E.and SW. Enter scattering timber,bears N.10°E.and SW.	
	Des.	
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground for $\frac{1}{4}$ sec.cor..mkd.on brass cap $\frac{1}{4}$ S 31 in N half and S 6 in S half;from which	
	A cedar,6 ins.in dia.,bears N.36°00'W.,214 lks dist..mkd. $\frac{1}{4}$ S 31 B T.	
	A cedar,8 ins.in dia.,bears S.64°30'E.120 lks	

Chains

dist..mkd. $\frac{1}{2}$ S 6° P T.

- 53.00 Bottom of hollow, 200 ft. below ridge, course N.
Asc.
- 55.50 Top of ridge, 30 ft. above hollow, bears N. and S.
Desc.
- 65.00 Wash, 50 lks. wide, 8 ft. deep, in bottom of Crooked Canyon.
Course N. 30° E.
Asc.
- 66.40 Old road, bears N. 30° E. and S. 30° W.
- 80.04 The temp. cor. of Tps. 6 and 7 S., R. 1 E.
Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the
ground, for cor. of Tps. 6 and 7 S., R. 1 E., mkd. on brass
cap T 6 S in N., T 7 S in S.
R 1 W S 36 in NW.
R 1 E S 31 in NE.
R 1 E S 6 in SE. and
S 1 R 1 W in SW; quadrants; and raise a mound of stone,
3 ft. base, 2½ ft. high, S. of cor.
Land, mountainous.
Soil, gravelly; 2nd rate.
Timber, cedar.
Undergrowth, sage brush.
Mountainous land or land covered with dense undergrowth
80.04 chs.



October 29, 1910.

October 31, 1910: At 7 h 44 m a.m., l.m.t., I set off
40° 15' N., on the lat. arc; 13° 25' S., on the decl. arc;
and determine a meridian with the solar at the cor.

Chains

of Tps.6 and 7 S., R.1 E.

Thence I run

North on a true line bet. sec. 31 and 36.

Over mountainous land; through scattering timber and dense undergrowth.

Asc.

0.50 Top of ridge, 5 ft. above Tp. cor., bears N. and W.

Desc.

3.50 Bottom of hollow, 15 ft. below ridge, course S. 80° E.

Asc.

6.75 Top of ridge, 40 ft. above hollow, bears E. and W.

Desc. Leave timber, bears E. and W.

10.70 Bottom of hollow, 40 ft. below ridge, course S. 70° E.

Asc.

11.00 Top of ridge, 50 ft. above hollow, bears N. 85° W. and S. 85° E.

Desc.

13.30 Head of hollow, 50 ft. below ridge, course S. 80° E.

Asc.

23.50 Top of ridge, 50 ft. above hollow, bears N. and W.

Desc.

27.20 Head of hollow, 30 ft. below ridge, course N. 70° E.

Asc.

29.20 Top, of ridge, 20 ft. above hollow, bears E. and W.

Desc.

40.00 Enter scattering timber, bears NW. and SE.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1 sec. cor. mkd. on brass cap $\frac{1}{4}$ S 36 in W half and S 31 in E half; from which

A cedar, 5 ins. in dia., bears N. 21° 40' E. 198 lks
dist. mkd. $\frac{1}{4}$ S 31 E.

No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

West bdy. T.6 S. R.1 E. or Salt Lake Meridian.

Chians

49.00 Head of hollow, 150 ft. below ridge, course NE.

Asc.

65.00 Top of ridge, 40 ft. above hollow, bears E. and W.

Leave scattering timber, bears E. and W.

Desc. gently. over rolling ground

78.90 Old road, bears NE. and SW.

80.00 The ~~no~~-established cor. of secs. 25, 30, 31 and 36.

Land, mountainous, and rolling.

Soil, gravelly; 2nd rate.

Timber, cedar.

Undergrowth, sage brush.

Mountainous land or land covered with dense undergrowth.

80.00 chs.

October 31, 1910 11.30 A.M.

General Description.

This township is only fractional, the larger part being covered by the Utah Lake. The small part covered by this survey is mountainous in character, with a gravelly and rocky soil 2nd and 3rd rate. There is a heavy growth of sage brush, and good grass covering the land, and a few scattering scrub cedars on the higher parts.

There are no settlers in this fractional survey. There is no mineral, coal, or indication of oil, and the land is chiefly valuable for grazing purposes.

Scott C. Stewart

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____
_____, United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chainman*.
For list of names and final oath of assistants see book _____, *Chainman*.
"B" T. 7 S., R. 1 E. _____, *Moundman*.
_____, *Moundman*.
_____, *Arman*.
_____, *Arman*.
_____, *Flagman*.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____
_____, United States Deputy Surveyor, in surveying all
those parts or portions of the _____
_____ of the _____
_____ meridian, _____ of _____, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for _____

_____, *Chainman*.
_____, *Chainman*.
_____, *Moundman*.
_____, *Moundman*.
_____, *Arman*.
_____, *Arman*.
_____, *Flagman*.

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final oath of deputy see book "B" T.7 3.. R. 1 E.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____ and sworn to before me (_____)
this _____ day of _____, 190____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, April 11, 1913

The foregoing field notes of the survey of the West Boundary of Salt Lake Meridian, Township No. 6 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah, also fractional South Boundary and resurvey of Subdivisional lines Township No. 6 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah,

executed by _____ Scott P. Stewart _____ under his contract No. 319 _____, dated _____ March 10, 1910 _____, 190____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hill
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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M. S. B.

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY

or

SALT LAKE MERIDIAN.

Township No. 7 South, Range No. 1 East.

Of the Salt Lake Base and Meridian,

Utah.

AS SURVEYED BY

Scott P. Stewart, United States Deputy Surveyor,

Under his Contract No. 319, dated March 16, 1910. 220

Survey commenced October 31, 1910. 2190

Survey completed November 1, 1910. 2190

3-21-40

NAMES AND DUTIES OF ASSISTANTS.

W. Howard West ----- Chairman.

Edgar S. Hurst ----- Chairman.

Carl E. Model ----- Chairman and moundman.

Henry G. Lundell ----- Chairman and exman.

Orson W. Mandlellan ----- Flagman

For preliminary affidavits see Book "A" T. 6 S. 1 E.

BOOK A-373

INDEX DIAGRAM.

Township 7 South, *Range* 1 East

2	6	5	4	3	2	1
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Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Survey commenced October 31, 1910, and executed with a Young and Sons light mountain transit No. 7361, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers on the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General for Utah, Oct. 22, 1910.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by observations on Polaris I proceed as follows:

At the cor. of Tps. 6 and 7 S., R. 1 E., on the Salt Lake Meridian, heretofore described; latitude $40^{\circ} 14' 40''$ N.; longitude $111^{\circ} 53' 47''$ W., I set off $40^{\circ} 15' N.$ on the lat. arc; $14^{\circ} 01' S.$ on the decl. arc; and at 3 p.m. l.m.t. determine with the solar a meridian, and mark a point thereof on a stone firmly set in the ground 5.00 chs. N. of the cor.

Oct. 31, 1910.

Nov. 1: At the above described cor. of Tps. 6 and 7 S., R. 1 E., at 4 h. 45.5 a.m. l.m.t., I observe Polaris at western elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground 5.00 chs. N. of the cor.

At 7 h. 30 a.m. l.m.t., I lay off the azimuth of Polaris

West Bay. T. 7 S., R. 1 E. of S. L. Meridian.

Chains. is $1^{\circ} 32'$ to the west, and mark a point in the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the meridian determined by the solar.

At 7 h. 44 m. a.m. l.m.t. I set off $40^{\circ} 15' N.$ on the lat. arc; $14^{\circ} 14' S.$ on the decl. arc; and determine a meridian with the solar, and mark a point thereof on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the meridian determined by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridian respectively about $0' 18''$ west and $0' 20''$ east of the meridian determined by Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 h. 0 m. a.m. l.m.t. is $N. 16^{\circ} 55' W.$; the angle thus determined gives the mag. decl. $16^{\circ} 55' E.$

From the cor. of Tps. 6 and 7 S., R. 1 E., above described, I run

South along W. line of Sec. 6,

Over mountainous land; through scattering timber and dense undergrowth.

Descend.

3.10 Bottom of hollow. 70 ft. below sec. cor.. course SE.

Ascend.

7.30 Top of ridge, 30 ft. above hollow. bears E. and W. Desc.

12.75 Bottom of Crooked Canon. 120 ft. below ridge, course NE.

Ascend.

13.10 Old road, bears NE. and SW.

West line T. 37 S., R. 1 E. Or S. L. Meridian.

Chians

18.25 Limestone ledge, 3 ft. high, bears E. and W.

27.00 Top of ridge, 150 ft. above canon, bears NW. and SE.

Desc.

28.30 Bottom of hollow, 30 ft. below ridge, course NW.

Asc.

36.20 Top of ridge, 150 ft. above hollow, bears E. and W.

Note; This ridge is the highest point along this meridian
in T. 6 S., and T. 7 S., R. 1 E.

Desc.

Difference bet. measurements bet. 40.00 chs., by two sets of
chainman, is 4. lks.; position of middle point

By 1st set, 40.02 chs.

By 2nd set 39.98 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. into the
ground, on solid rock bottom and surrounded by mound
of stone, for $\frac{1}{2}$ sec. cor. mtd. on brass cap $\frac{1}{2}$ in W half
and S 6 in E half; from which

A cedar, 3 ins. in dia., bears N. 57° 45' E., 113

lks. dist. mtd. $\frac{1}{2}$ S 6 B E.

Note; No tree is marked in the W. sec., since this cor.
refers to the sec. 6 only. Leave timber, bears E. and W.

62.50 Bottom of hollow, 300 ft. below ridge, course S. 30° W.

Asc.

69.50 Top of ridge, 100 ft. above hollow, bears NW. and SE.

Desc.

76.00 Foot of steep descent, bears E. and W.

Desc. gently.

Difference bet. measurements of 80.00 chs. by two sets
of chainman, is 8 lks.; position of middle point

By 1st set, 79.96 chs.

By 2nd set 80.04 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the
ground for cor. of secs. 6 and 7 mtd on brass cap

T 7 S in N half

Chains

Sec. 7, T. 1 N., R. 1 E., S. 1 E.

R 1 E S 7 in 4 quadrants; and

R 1 W in W half; and raise a mound of stone.

3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, saw brush and mahogany.

Mountainous land, or land covered with dense undergrowth.

80.00 chs.

South along the W. side of Sec. 7.

Over rolling mountainous land; and dense undergrowth.

Desc. gently.

3.40 Bottom of hollow, 30 ft. below sec. cor., course S. 30° E.

Asc.

5.90 Top of ridge, 20 ft. above hollow, bears NW. and SE.

Desc.

13.60 Bottom of hollow, 30 ft. below ridge, course SE.

Asc. gently.

15.00 Old road, bears NW. and SE.

Enter scattering timber, bears NW. and SE.

34.00 Leave scattering timber, bears E. and W.

Difference of measurements of 40.00 chs., by two sets of chainman, is 2 lks.; position of middle point

By 1st set, 40.01 chs.

By 2nd set, 69.99 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the

ground for 1/2 sec. cor., mkd. on brass cap 1 in. W half

and S 7 in E half; and raise a mound of stone, 2 ft. base,

2 1/2 ft. high, W. of cor.

Top of ridge, 150 ft. above hollow, bears E. and W.
 Desc.
 55.00 Begin steeper descent, bears E. and W.
 63.00 A prospect hole about 50 ft. deep, bears E. 150 lks. dist.
 65.00 Foot of steep descent, bears NE. and SW.
 Desc. gently over rolling ground.
 Difference between measurement of 80.00 chs. by two sets
 of chainmen is 6 lks.; position of middle point
 By 1st set 79.97 chs.
 By 2d set 80.03 chs.; the mean of which is
 80.00 Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in the
 ground, cor. cor. of secs. 7 and 18, mkd. on brass cap
 T. 7 S. in N. half,
 S. 7 in NE.; and
 R. 1 E. S. 18 in SE. quadrants; and
 R. 1 W. in W. half; and raise a mound of stone
 2 ft. base, 1½ ft. high W. of cor.
 Land, mountainous and nearly level.
 Soil, gravelly; 2d rate.
 Timber, cedar.
 Undergrowth, sagebrush and shadscale.
 Mountainous land, or land covered with dense under-
 growth 80.00 chs.
 November 1, 1910: At this cor. I set off 14° 19' S. on
 the decl. arc; and at 11 h. 44 m. a. m. l. m. t. observe
 the sun on the meridian; the resulting lat. is 40° 13'
 N., which is the proper lat. nearly.

South on west side of sec. 18.
 Over nearly level land; through dense undergrowth. Desc.
 gently; through scattering timber.
 5.90 Old road bears N. 70° W. and S. 70° E.

Chains.

8.70

Wash; 50 lks.wide, 3 ft.deep, course S.80° E.

Asc.gently.

24.25

Old road, bears N.80° W. and S.80° E.

Difference bet.measurements of 40.00 chs.by two sets

of chainmen is 2 lks.; position of middle point

By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

40.00

Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the

ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap $\frac{1}{4}$ S in W.

half and S 18 in E.half; and raise a rounded stone 2

ft.base, 1 $\frac{1}{2}$ ft.high W.of cor.

40.35

Wash, 20 lks.wide, 3 ft.deep, course S.80° E.

49.30

Enter plowed ground, bears E. and W. 1.40 chs.to E.

edge, and 3.30 chs.to W.edge. This plowed ground is

claimed by W.A.Duvall.

58.50

Leave plowed land, bears E. and W.

60.00

Wash, 10 lks.wide, 3 ft.deep, course S.80° E.

65.20

Wash; 10 lks.wide; 3 ft.deep; course E.

66.40

Utah County road, also telephone line, from Lehi to

Mosita, bears N.41° 30'E., and from point 60 lks.SW.

or here the telephone line bears S.61° W.; the county

road following along W.side of telephone line.

76.60

Wire fence bears N.8° 50'E. and S.8° 50'W.

Enter enclosure claimed by J.W.Gates.

Difference bet.measurements of 80.00 chs.by two sets

of chainmen is 2 lks.; position of middle point

By 1st set 79.99 chs.

By 2d set 80.01 chs.; the mean of which is

80.00

Set an iron post 3 ft.long, 3 ins.in dia., 24 ins.in

the ground, for cor.of secs.18 and 19, mkd.on brass cap

T 7 S in N half.
S 18 in NE; and
R 1 E S 19 in SE; quadrants, and
R 1 W in W half; and raise a mound of stone, 2
ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, nearly level.

Soil, clay and sandy loam and gravelly; 2nd rate.

Timber, cedar.

Undergrowth, sage brush. and shadescale.

S. on W. side of Sec. 19.

Over nearly level land; though dense undergrowth.

Desc. gently.

1.25 Wash, 50 lks. wide, 10 ft. deep, course S. 40° E.

8.90 Enter plowed ground, bears N. and W.

About 200 lks. to W. edge and 150 lks. to E. edge. This
ground is claimed ^{by} Joseph Warhurst.

20.00 Leave plowed ground, bears N. 75° E. and S. 75° W.

Difference between measurements of 21.40 chs., by two
sets of chainmen is 8 lks.; position of middle point

By 1st set, 21.39 chs.

By 2nd set, 21.41 chs.; the mean of which is

21.40 To shore of Utah Lake.

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the
ground for meander cor. of secs. 19 and 24. mkd. on brass
cap

T 7 S in N half

M C in S half

R 1 W S 24 in NW; and

R 1 E S 19 in NE, quadrants; and raise a mound
of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.

Land, nearly level.

Chains

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush, greasewood and shadescale.

November 1, 1910.

For general description see notes of the subdivision of this township.

Scott P. Stewart
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

Scott P. Stewart

United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of *the Salt Lake*

Meridian, through fractional Twp 6 and 7 S. R. 1 E. of the Salt Lake Base and Meridian, also S. 1/4 and Subdivision T. 6 S. R. 1 E. of S. 1. R. 1 M. Utah

showing the respective capacities in which they acted:

W. Howard West

Chainman.

Edgar S. Hurst

Chainman.

Moundman.

Carl E. Hecht

Chainman and

Moundman.

Henry G. Lundell

Chainman and

Arman.

Arman.

Oren W. McClellan

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

Scott P. Stewart

United States Deputy Surveyor, in surveying all

those parts or portions of the *Salt Lake Meridian, through fractional Twp 6 and 7 S. R. 1 E. of the Salt Lake Base and Meridian*

also S. 1/4 and subdivision of T. 6 S. R. 1 E. of S. 1. R. 1 M. Utah

of the

Meridian, also S. 1/4 and Subdivision

which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for

Utah

W. Howard West

Chainman.

Edgar S. Hurst

Chainman.

Moundman.

Carl E. Hecht

Chainman and

Moundman.

Henry G. Lundell

Chainman and

Arman.

Arman.

Oren W. McClellan

Flagman.

Subscribed and sworn to before me this *26th*

day of *November*, 19*10*

Scott P. Stewart

U. S. Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Scott P. Stewart United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Thomas Hill, United States Surveyor General for Utah, bearing date at the 16th day of November, 1910, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Salt Lake Meridian, the fractional Twp. 6 and 7 S. R. 1 E. S. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Scott P. Stewart
United States Deputy Surveyor.

Subscribed by said Scott P. Stewart, and sworn to before me
this 5th day of January, 1912, 1912



Thomas Hill
U.S. Surveyor General

APPROVAL.

for Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 11, 1913

The foregoing field notes of the survey of the West Boundary or Salt Lake Meridian, Township No. 7 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah.

executed by Scott P. Stewart
under his contract No. 312, dated March 16, 1910, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hill
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in Utah, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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BOOK A-373

FILED

JAN 5 1911

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION AND MEANDER LINES

of

Township No. 7 South, Range No. 1 East.

Of the Salt Lake Base and

Meridian,

Utah

AS SURVEYED BY

Scott P. Stewart

, United States Deputy Surveyor,

Under his Contract No. 319, dated March 16, 1910, ~~X~~

Survey commenced November 2, 1910, ~~X~~

Survey completed November 4, 1910, ~~X~~

Sub. 2-54-96
Resub. 2-54-50
Meander 2-54-46

NAMES AND DUTIES OF ASSISTANTS.

W. Howard West ----- Chairman.

Edgar S. Hurst ----- Chairman

Carl E. Hodel ----- Moundman

Henry J. Lundell ----- Axman

Orson W. McCellan ----- Flagman.

BOOK A-373

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, W. Howard West and Edgar S. Hines

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Sub. T. 7 S. R. 1 E., and Sub. T. 7 S. R. 1 W. of the Salt Lake Base and Meridian,
Utah.

W. Howard West, Chainman.

Edgar S. Hines, Chainman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U.S. Deputy Surveyor

WE, I, Carl E. Hodel and

do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

Sub. T. 7 S. R. 1 E., and Sub. T. 7 S. R. 1 W. of the Salt Lake Base and Meridian,
Utah

_____, Moundman.

Carl E. Hodel, Moundman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U.S. Deputy Surveyor

WE, I, Henry G. Sundell and

do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Sub. T. 7 S. R. 1 E. and Sub. T. 7 S. R. 1 W. of the Salt Lake Base and Meridian,
Utah.

Henry G. Sundell, Axman.

_____, Axman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U.S. Deputy Surveyor

I, Orson W. McClellan, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Sub. T. 7 S. R. 1 E. and Sub. T. 7 S. R. 1 W. of the Salt Lake Base and Meridian, Utah

Orson W. McClellan, Flagman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U.S. Deputy Surveyor

Survey commenced November 2, 1910, and executed with a Young and Sons light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the Surveyor General for Utah, Oct. 22, 1910.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris I proceed as follows:

At the cor. of secs. 6 and 7 on W. bdy. of Tp. heretofore described, latitude $40^{\circ} 13' 53''$ N.; longitude $111^{\circ} 53' 47''$ W. I set off $14^{\circ} 40' S.$ on the lat. arc; $14^{\circ} 40' S.$ on the decl. arc; and at 3 h. 44 m. p.m. l.m.t. I determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5.00 chs. N. of the cor.

November 2, 1910.

Nov. 3: At 4 h. 48 m. a.m. l.m.t. I observe Polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground 5.00 chs. N. of the cor.

At 7 h. 30 m. a.m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 32'$ to the West, and mark a point on the meridian thus determined by cutting a small groove in the stone

Subdivision of T. 7 S., R. 1 E. - Continued.

already set 5.00 chs. N. of the cor.; this mark is 0.35 ins. east of the meridian determined by the solar. At 7 h. 44 m. a.m. l.m.t. I set off $40^{\circ} 14' N.$ on the lat. arc; $14^{\circ} 52' S.$ on the decl. arc; and determine a meridian with the solar, and mark a point thereof on the stone already set 5.00 chs. N. of my station; this mark falls 0.38 ins. east of the meridian determined by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridian respectively about $18''$ west and $20''$ east of the meridian determined by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 h. 0 m. a.m. l.m.t., is $N. 16^{\circ} 50' W.$; the angle thus determined gives the mag. decl. $16^{\circ} 50' E.$

From said corner of secs. 6 and 7, I run

East on a true line bet. secs. 6 and 7,

Over mountainous land; through dense undergrowth. Ascend gently.

2.80 Begin more abrupt ascent, bears N. and S.

12.80 Top of ridge, 180 ft. above sec. cor. bears N. and S.
Desc.

20.20 Bottom of hollow, 20 ft. below ridge, course $S. 20^{\circ} E.$
Ascend.

22.00 Top of ascent, bears N. and S.

Thence over nearly level bench, extending E. and W.

35.00 Leave bench, bears N. and S.

Desc. abruptly.

Chains

- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 6 in N half and S 7 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 47.50 Enter scattering cedar, bears E. and W.
- 56.60 Foot of steep ascent, bears N. 30° W. and S. 30° E.
Leave scattering timber, bears N. 30° W. and S. 30° E.
Desc. gently.
- 61.60 Begin steep descent, bears NW. and S.
- 66.50 Foot of abrupt descent, bears N. 20° W. and S. 20° E.
Desc. gently over rolling ground. Leave scattering timber.
- 73.80 Telephone line from Lehi to Mosida, bears N. 11° E. and S. 11° W.
- 76.90 Utah County road, bears N. 11° E. and S. 11° W.
- 77.55 Wire fence, bears N. 11° E. and S. 11° W.
- 79.10 To shore of Utah Lake.
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for meander cor. of secs. 6 and 7 mkd. on brass cap
T 7 S R 1 E in N half
M 3 in E half
S 6 in N W; and
S 7 in SW quadrants; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Note: From this cor. B. F. Anderson's sheet iron cabin bears S. 18° 40' W., 2.53 chs. dist. to NE. cor. of cabin.
Land, mountainous and nearly level
Soil, gravelly loam; 2nd rate.
Timber, cedar.
Undergrowth, sage brush and shade scale.
Mountainous land or land covered with dense undergrowth, 79.10 chs.
November 3, 1910: At this cor. I set off 14° 57' S., on the decl. arc; and at 11 h 44 m a.m., l.m.t., I observe the

Subdivision of T. 2 S., R. 1 E., S. 4 E.

sun on the meridian, the resulting lat. is $40^{\circ} 14'$ which is the proper lat. nearly.

From the cor. of secs. 7 and 18 on W. bdy. of Tp. 6 R. 1 E. Salt Lake Meridian,

I run

East bet. secs. 7 and 18.

Over rolling land; through dense undergrowth.

Desc. gently.

5.00 Old road, bears NE. and SW.

12.70 Old road, bears NE. and SW.

13.30 Wash, 20 lks. wide, 15 ft. deep, course NE.

Asc. gently.

13.20 Top of low ridge, 20 ft. above wash, bears N. and S.

Desc. gently.

36.70 Utah County road, bears $N. 20^{\circ} E.$ and $S. 20^{\circ} W.$

38.70 Wire fence, bears $N. 20^{\circ} E.$ and $S. 20^{\circ} W.$

Enter enclosure claimed by Samuel K. Roberts and James Hlove.

40.00 Set an iron post, 3 ft. long, 1 in. dia. / dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor. mkd. $\frac{1}{2}$ S 7 in N half and S 18 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

40.40 Wash, 20 lks. wide, 20 ft. deep, course SE.

40.60 Telephone line from Lohi to Mosida, bears $N. 20^{\circ} E.$ and $S. 20^{\circ} W.$

41.30 Wash, 20 lks. wide, 20 ft. deep, course SE.

46.50 Wash, 30 lks. wide, 20 ft. deep, course $S. 60^{\circ} E.$

48.80 Enter plowed land, bears $N. 80^{\circ} E.$ and $S. 80^{\circ} W.$

51.20 Leave plowed land, bears $N. 80^{\circ} W.$ and $S. 80^{\circ} E.$

56.50 Wash, 20 lks. wide, 15 ft. deep, course $N. 80^{\circ} E.$

Subdivision of T. 7. S. R. 1. E. -Continued.

Chains	
57.30	Same wash, 20 lks. wide, 15 ft. deep, course S. 80° E.
59.66	To shore of Utah Lake:
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for meander cor. of secs. 7 and 18. mkd. on brass cap
	T 7 S R 1 E in E half
	M 6 in E half
	S 7 in NW.; and
	S 18 in SW; quadrants; and raise a mound of stone, 3 ft. base, 2 ft. high, " of cor.
	Land, nearly level.
	Soil, sandy and clay loam; 2nd rate.
	No timber.
	Undergrowth, sage brush, sahlesole. and greasewood.
<hr/>	
	From the cor. of secs. 18 and 19 on W. bdy. of Tp. or S. E. Meridian.
	I run
	East bet. secs. 18 and 19.
	Over nearly level land; through scattering undergrowth.
	Desc. gently.
11.25	Enter plowed land, claimed by J. W. Bates, bears N. 50° W.
	and S. 30° E.
19.60	Enter newly planted orchard, bears N. and S.
24.00	Leave orchard, bears N. 80° W. and S. 80° E.
25.00	Leave plowed ground, bears N. 20° E. and S. 20° W.
26.20	TO W. shore of Utah Lake.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for meander cor. of secs. 18 and 19. mkd. on brass

Subdivision of T. 7 S. R. 1 E. -continued-

Chains

cap

T 7 S R 1 E in n half

M 3 in E half

S 18 in NW; and

S 19 in SW; quadrants; and raise a mound of

stone, 3 ft. base, 2 ft. high, W. of cor.

Note: From this cor. the NE. cor. of a three roomed dwelling house, owned by J. W. Gates, bears S. 54° 00' W.,

2.67 chs. dist.

A tent, bears S. 29° W., about 5.00 chs. dist. from this cor. claimed by Joseph Warhurst.

Neither of these people is at present living on this claim.

Land, nearly level.

Soil, clay and sandy loam; 2nd rate.

No timber.

Undergrowth, some brush, greasewood and shadescale.

November 3, 1910.

Note: Before commencing the meander of this township I find it necessary to re-establish the meander cor. of secs.5 and 6. which is missing and has not been known to exist for many years, therefore, I proceed as follows:

November 4, 1910: At 7 h 44 m a.m. l.m.t., I set off $40^{\circ}15'$ N., on the lat. arc; $15^{\circ}11'$ S., on the decl. arc; and determine a meridian with the solar at the re-established cor. of secs. 5, 6, 31 and 32 on the N. bdy. of T.

Thence I run South on a re-survey line bet. secs. 5 and 6. Over rolling land; through dense undergrowth. Asc. gently.

33.00 Highest point on line, bears E and W.
Desc. gently.

40.00 Find no trace of old sec. cor., after diligent search. Set an iron post, 3 ft. long, 1 in. in dia., 2 1/2 ins. in the ground, for re-established sec. cor., mkd. on brass cap $\frac{1}{2}$ S. 6 in E half and $\frac{1}{2}$ S. 5 in E half; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

57.30 Enter plowed land, claimed by W. F. Anderson, bears E and W. About 1.50 chs. to W. edge and 1.30 chs. to E. edge.

67.40 Leave plowed land, bears E and W.

68.20 Telephone line from Holt to Wadena, bears N. 20° E. & S. 11° W.

69.70 County road bears N. 20° E. and S. 11° W.

70.80 Wire fence, bears E and W.

71.90 Wash, 10 lbs. wide, 3 ft. deep, bears S. 30° E.

74.50 Find no trace of old meander cor. of secs. 5 and 6, after diligent search.

Set an iron post, 3 ft. long, 1 in. in dia., 2 1/2 ins. in the ground, for re-established cor. of secs. 5 and 6. mkd. on brass cap

T 7 S R 1 E in E half

N 3 in S half

S 6 in NW; and

Meanders T.7 S., R.1 E.

Chains

S 5 in NE; quadrants; and raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high N. of cor.

Land, rolling and nearly level.

Soil, sandy and gravelly; 2nd rate.

No timber.

Undergrowth, sage brush, greasewood and shadescale.

MEANDERS T.7 S., R.1 E. (UTAH LAKE)

Thence 1 run with meanders in Sec. 6.

Over nearly level land; through scattering undergrowth. S. $10\frac{1}{2}^{\circ}$ W. 5.60 chs. To meander cor. of sec. 7

Land, nearly level.

Soil, gravelly; 2nd rate.

Undergrowth, sage brush and shadescale.

No timber.

Thence in Sec. 7.

Over nearly level land; through scattering under growth.

Along sandy beach.

S. 8° W. 50.00 chs. At 4.40 bank, 10 ft. high, bears N.

10° E. and S. 10° W.

At 30.10 chs. the NE. cor. of a strip

of plowed ground, containing about

5 acres claimed by James Clove, bears

W. 1.00 ch. dist.

At 40.40 chs., the SE. cor. of a strip

of plowed ground, bears W. 1.00 ch.

Chains

S. 22°15'W. 33.00 chs. Along rocky beach. At 12.80 chs.

wash, 10 lks. wide, 5 ft. deep, course

E. At 18.50 chs., wash, 10 lks. wide,

4 ft. deep, course E. At 29.40, chs.,

wash, 10 lks. wide, 2 ft. deep, course

E. At 21.50 chs., wash, 15 lks. wide,

15 ft. deep, course E. At 33.00 chs.

to the meander cor. of fractl.

Secs. 7 and 18.

Land, nearly level.

Soil, sandy loam and rocky; 2nd rate.

No timber.

Undergrowth, sage brush and shadescale.

November 4, 1910: At this cor. I set off 15°16'S.,

on the decl. arc; and at 11 h 44 m a.m. l.m.t., I observe

the sun on the meridian, the resulting lat. is 40°13'N.,

which is the proper lat. nearly.

Thence in Sec. 18.

Over nearly level land; through scattering undergrowth.

Along rocky beach.

S. 161°W. 35.00 chs. At 1.00 chs. wash drains E.

At 18.00 chs. point from which

the SE cor. of Samuel K. Roberts'

house bears N. 34°50'W., 4.47 chs.

dist. The NE cor. of Evan A. Angley's

house, bears S. 45°55'W. 5.49 chs.

dist. At 32.00 chs., the N. edge of a

20 acre tract of plowed land, claimed

by Evan A. Angley and the S. edge

of a tract of 40 acres of plowed

land claimed by Samuel K. Roberts, Jr.
bears W.1.00 ch. dist.

S.23 $\frac{1}{2}$ ° W. 15.00 chs. At 8.00 chs. the S. edge of Angley's
plowed land, bears W.1.00 chs. dist.

S.9° W. 12.00 chs.

S.30° W. 5.00 chs. At 4.60 the NE. cor. of a tract of
plowed land claimed by J.W. Gates,
bears W.1.50 ch. dist. At 5.00 chs.

a shaft iron cabin claimed by
J.W. Gates, bears N.50°10' W.2.20
chs. dist.

S.44 $\frac{1}{2}$ ° W. 17.00 chs. At 3.50 chs. the SE. cor. of the tract
of plowed ground, claimed by Gates,
bears W.1.25 chs. dist.

S.18 $\frac{1}{2}$ ° W. 4.56 chs. To meander cor. of frac. cor. of
secs. 18 and 19.

Land, nearly level.

Soil, sandy and clay loam and rocky; 2nd rate.

No timber.

Undergrowth, sage brush shadescale and greasewood.

Thence in Sec. 19:

Over nearly level land; through scattering undergrowth.

S.8° W. 6.00 chs. At 20 lks., wash, 10 lks. wide, 6 ft. deep,
course E.

S.30 $\frac{1}{2}$ ° W. 7.80 chs. At 4.50 chs. The S. edge of a newly
planted orchard, claimed by Joseph
Warnurst, bears 7.50 lks. dist.

S.58° W. 12.00 chs.

Meanders T. 7 S., R. 1 E.

S. 78° W. 11.50 chs. to the meander cor. of frac. secs. 19 and 24.

Land, nearly level.

Soil, sandy and clay loam; 2nd rate.

No timber.

Undergrowth, sagebrush, shadscales, and greasewood.

November 4, 1910.

General Description

This township contains nearly every variety of land, from plains to mountains; and the soil is, in general, sandy and clay loam, with also some gravelly loam. The soil of the mountainous part is mostly gravelly and that of the low rolling hills and valley is sandy and gravelly loam.

The township is principally covered with a dense growth of sagebrush, shadscale, and greasewood. There are a few scattering patches of scrub cedar in sec. 6 and 7, but it is of such a scrubby nature that it will not even produce good fence posts.

The soil in this fractional township is of an arid nature, and will not produce good crops without irrigation.

Some prospecting for mineral has been done near the center of sec. 6, not seen from line, and prospecting has also been done in secs. 7 and 19 as indicated on the plat. There is not sufficient showing of mineral to warrant returning any particular area as mineral lands.

There is no water in the township except what may be obtained from Utah Lake.

At the present time there is but one settler living in this fractional township, namely, Samuel K. Roberts. His improvements consist of a two-roomed frame house

and ploughed land and fencing, as indicated on the plat. Total value of his improvements are about \$1050.00.

The following additional settlers claim holdings in this township, as indicated on the plat:

D.F. Anderson has a house, some ploughed land, and fencing in secs. 6 and 7; value of improvements about \$80.00.

James Clove has ploughing and fencing in sec. 7, value of improvements about \$300.00.

Evan A. Angley has a cabin and ploughing and fencing in sec. 18; value of improvements about \$450.00.

J.W. Gates has a well built 3-roomed frame house and ploughing and fencing and small orchard in sec. 18; value of improvements about \$800.00.

Joseph Warhurst has ploughing and fencing and a small orchard in sec. 19; value of improvements about \$200.00.

I am told that all of these claimants, except Anderson and Clove expect to extend their claims into T. 7 S. R. 1 W.

Scott P. Stewart
U.S. Deputy Surveyor.

FINAL DATA

Boundaries of T. 7 S., R. 1 E.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
Salt Lake Meridian	North	261.40	261.40	.....	.....	.....
N.bdy.sec.6	N. 89° 56' E.	80.04	.09	.....	80.04	.....
E.bdy.sec.6	South	74.50	.....	74.50	.....	.....
Meanders sec.6	S. 10° 30' W.	5.60	.....	5.51	.....	1.02
Meanders sec.7	S. 8° 00' W.	50.00	.....	49.51	.....	6.96
	S. 22° 15' W.	33.00	.....	30.54	.....	12.50
Meanders sec.18	S. 16° 15' W.	35.00	.....	33.60	.....	9.79
	S. 23° 30' W.	15.00	.....	13.76	.....	5.98
	S. 9° 00' W.	12.00	.....	11.85	.....	1.88
	S. 30° 00' W.	5.00	.....	4.33	.....	2.50
	S. 44° 15' W.	17.00	.....	12.18	.....	11.86
	S. 18° 15' W.	4.56	.....	4.33	.....	1.43
Meanders sec.19	S. 8° 00' W.	6.00	.....	5.94	.....	0.84
	S. 30° 30' W.	7.80	.....	6.72	.....	3.96
	S. 58° 00' W.	12.00	.....	6.36	.....	10.18
	S. 78° 00' W.	11.50	.....	2.39	.....	11.25
Convergence					.05	
Totals			261.49	261.52	80.09	80.15
Error in lat. and dep.				<u>261.49</u>		<u>80.09</u>
				.03		.06

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Page

BOOK 7373
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of

showing the respective capacities in which they acted:

For list of names and final oath of assistants see book "F", Chainman.

T. 7 S., R. 1 W., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all
those parts or portions of the

..... of the

..... meridian, of, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor

General for

....., Chainman.

....., Chainman.

....., Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this

day of, 190 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final oath of deputy see book "F" T. 7 S. R. 1 W.

_____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 11, 1912 ~~190~~

The foregoing field notes of the survey of _____ subdivision and meander lines of _____ Township No. 7 South, Range No. 1 East of the Salt Lake Base and _____ Meridian, Utah, _____

executed by _____ Scott P. Stewart _____
under his contract No. 319 _____, dated _____ March 16, 1910 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-678.

BOOK A-373

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FILED

JAN 5 1911

87

FIELD NOTES

RE
OF THE SURVEY OF THE
FRACTIONAL.

NORTH AND SOUTH BOUNDARIES

of

TOWNSHIP NO. 7 NORTH, RANGE NO. 1 WEST

of the Salt Lake Desert

Meridian

Section

AS SURVEYED BY

Scott L. Stewart

United States Deputy Surveyor,

Under his Contract No. 219

dated March 10, 1910.

19

Survey commenced Nov. 5, 1910.

19

Survey completed Nov. 9, 1910.

19

1. The 7th Sec. 8 T. 7 N. R. 1 W.

1. The 13th Sec. 10 T. 7 N. R. 1 W.

1. The 13th Sec. 10 T. 7 N. R. 1 W.

1. The 13th Sec. 10 T. 7 N. R. 1 W.

76-56

Change 20-20

Change 20-20

25 41

1. The 7th Sec. 8 T. 7 N. R. 1 W.

NAMES AND DUTIES OF ASSISTANTS.

W. Howard West

Chairman.

Edgar S. Hurst

Chairman.

Carl E. Hodel

Moundman.

Henry G. Lundell

Arman.

Orson W. McClellan

Flagman.

Volume

#

R0373

BOOK A-373

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PRELIMINARY OATHS OF ASSISTANTS.

WE, W. Howard West and Edgar S. Hurst
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ^{re} survey of the fractional N. and S. bdrs. T. 7 S., R. 1 W. of the S. L. B. & M., Utah.

W. Howard West, Chainman.
Edgar S. Hurst, Chainman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U. S. Deputy Surveyor

WE, Carl E. Hodel and
do solemnly swear that ~~we~~ will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ to the best of ~~my~~ skill and ability, in the ^{re} survey of the fractional N. and S. bdrs. T. 7 S., R. 1 W. of the S. L. B. & M., Utah,

_____, Moundman.
Carl E. Hodel, Moundman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U. S. Deputy Surveyor

WE, Henry G. Lundell and
do solemnly swear that ~~we~~ will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ to the best of ~~my~~ skill and ability, in the ^{re} survey of the fractional N. and S. bdrs. T. 7 S., R. 1 W. of the S. L. B. & M., Utah.

Henry G. Lundell, Axman.
_____, Axman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U. S. Deputy Surveyor

I, Oreos W. McClellan, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ^{re} survey of the fractional N. and S. bdrs. T. 7 S., R. 1 W. of the S. L. B. & M., Utah.

Oreos W. McClellan, Flagman.

Subscribed and sworn to before me this 27th
day of October, 1910.



Scott P. Stewart
U. S. Deputy Surveyor

North Bdy. T. 7 S. R. 1 W.

Survey commenced Nov. 5, 1910, and executed with a young and Sons light mountain transit, No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, Oct. 24, 1910.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian established by Polaris observations, I proceed as follows:

Note: According to special instructions before commencing the survey of the North Bdy. of this Twp., I

ascertained that the same was out of limits in measurement and therefore conclude that the old corners should be destroyed and the line re-run. Therefore the corner of Secs. 5, 6, 31 and 32 on N. bdy. T. 7 S. R. 1 W., which is a sandstone, 24x10x10 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, I destroy and at the same point set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32. mkd. on brass cap

T 6 S S 31 in NW.

R 1 W S 32 in NE.

R 1 W S 5 in SE; and

T 7 S S 6 in NW, quadrants; and raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Begin at the cor. of secs. 5, 6, 31 and 32, latitude $40^{\circ}14'48''$ N., longitude $111^{\circ}59'25''$ W., I set off $37^{\circ}15'$ N. on the lat. arc; $15^{\circ}36'$ E. on the decl. arc; and at 3 h 44 m p.m., l.m.t., I determine a meridian with the solar

Chains

and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor. Nov. 5, 1910.

Nov. 6:

At the above described corner at 4 h 25 m a.m., l.m.t., I observe polaris at western elongation in accordance with the Manual and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of cor.

November 6, 1910.

November 6, 1910: At 7 h 30 m a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}32'$ to the West, and mark a point in the meridian, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the meridian determined by the solar.

At 7 h 44 m a.m., l.m.t., I set off $40^{\circ}15'N.$, on the lat. arc; $15^{\circ}48'N.$, on the decl. arc; and determine a meridian with the solar, and mark a point thereof by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the meridian determined by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridian, respectively about $0^{\circ}18''$ west and $0^{\circ}20''$ east of the meridian determined by polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian, at 8 h 0 m a.m., is therefore $N. 16^{\circ}55' W.$, the angle thus determined gives the mag. decl. $16^{\circ}55' E.$

From the re-established cor. of ssas. b. p. 51 and 52 heretofore described.

Resurvey

Resurvey N.Bdy.T.7 S.,R.1 W.-Continued.

Chains

m I run

East on a re-survey line bet.secs.5 and 32.

Over rolling land;through dense sage brush.

Asc.gently.

25.00 Leave valley and ascend over rolling mountains,bears
N.and S. Enter cedars.

39.00 Bottom of hollow,200 ft.above sec.cor.,course N.70°W.
Continue asc.

39.60 The old $\frac{1}{4}$ sec.cor.,which is a sandstone,11x6x5 ins.
above ground,firmly set and marked and witnessed as
described by the surveyor general,I destroy all
traces of this corner.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
ground,for $\frac{1}{4}$ sec.cor..mkd.on brass cap $\frac{1}{4}$ S 32 in W
half and S 5 in S half;from which

A cedar,7 ins.in dia.,bears N.17°30'E.,44 lks.
dist..mkd. $\frac{1}{4}$ S 32 B T.

A cedar,7 ins.in dia.,bears S.64°00'W.,52
lks.dist..mkd. $\frac{1}{4}$ S 5 B T.

53.00 Top of ridge,300 ft.above valley,bears N.20°E.and
S.20°W.

Desc.

66.00 Head of hollow,40 ft.below ridge,course S.

Asc.

75.00 Top of spur,40 ft.above hollow,bears W.and S.

Desc.

79.46 The old cor.of secs.4,5,32 and 33,which is a limestone,
10x5x6 ins.above ground,firmly set and marked and
witnessed as described by the surveyor general,bears
N.12 lks.dist.,I destroy all traces of this corner.

80.00 Set an iron post,3 ft.long,3 ins.in dia.,12 ins.in the
ground, on solid rock bottom,and surrounded by mound
of stone,for cor.of secs.4,5,32 and 33..mkd.on brass cap

T 6 S S 32 in NW

R 1 W S 33 in NE

T 7 S S 4 in SE;and

Resurvey N. by T. 7 S. R. 1 W. -Continued.

Chains	<p>R 1 W S 5 in SW, quadrants; from which</p> <p>A cedar, 10 ins. in dia., bears N. 39° 30' E., 90 lks. dist. .mkd. T 6 S R 1 W S 33 B T.</p> <p>A cedar, 5 ins. in dia., bears S. 18° 45' E., 81 lks. dist. .mkd. T 7 S R 1 W S 4 B T.</p> <p>A cedar, 5 ins. in dia., bears S. 13° 30' W., 20 lks. dist. .mkd. T 7 S R 1 W S 5 B T.</p> <p>A cedar, 5 ins. in dia., bears N. 3° 00' W., 106 lks. dist. .mkd. T 6 S R 1 W S 32 B T.</p> <p>Land, mountainous and nearly level.</p> <p>Soil, gravelly; 2nd rate.</p> <p>Undergrowth, sage brush and shadescale..</p> <p>Timber, cedar.</p> <p>Mountainous land, or land covered with dense undergrowth, 80.00 chs.</p> <hr/> <p>East on a re-survey line bet. secs. 4 and 33.</p> <p>Over mountainous land, through scattering sage brush and shadescales and scattering timber.</p> <p>Desc.</p> <p>2.80 Bottom of hollow, 20 ft. below sec. cor., course S., Old road in bottom, bears N. and S.</p> <p>Asc. gently.</p> <p>9.00 Begin steep ascent of mountain, bears N. and S.</p> <p>16.00 Leave scattering timber and undergrowth and enter heavy timber, bears N. and S.</p> <p>Asc. more abruptly over ledges.</p> <p>39.20 The old $\frac{1}{4}$ sec. cor., which is limestone, 10x12x10 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears S. 12 lks. dist.</p>
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N.bdy. T.7 S. R.1 W. Continued.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor. mkd. on brass cap $\frac{1}{2}$ S 33 in N half and S 4 in S half; from which

A cedar, 5 ins. in dia., bears N. $67^{\circ}45'$ E. 43 lks. dist. mkd. $\frac{1}{2}$ S 33 B T.

A mahogany, 5 ins. in dia., bears S. $25^{\circ}00'$ E., 16 lks. dist. mkd. $\frac{1}{2}$ S 4 B T.

50.30 Top of abrupt ascent, leave ladder, bears N. E. and SW.

64.50 Leave heavy and enter scattering timber, bears N. and S.

65.70 Top of ridge, 1000 ft. above hollow, bears N. E. and S. 20° W. Desc.

73.70 Bottom of hollow, 100 ft. below ridge, course SE. As.

80.00 Note: After a diligent search no trace of the old sec. cor. can be found.

Set an iron post, 3 ft. long, 3 ins. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for cor. of secs. 3, 4, 3 and 34. mkd. on brass cap

T 6 S S 33 in NW.

R 1 W S 34 in NE

R 1 W S 3 in SE; and

T 7 S S 4 in SW, no grants; from which

A cedar, 3 ins. in dia., bears S. $52^{\circ}35'$ W., 168 lks. dist. mkd. T 7 S R 1 W S 3 B T.

A cedar, 12 ins. in dia., bears S. $62^{\circ}45'$ W., 141 lks. dist. mkd. T 7 S R 1 W S 4 B T.

A cedar, 5 ins. in dia., bears N. $64^{\circ}00'$ W., 135 lks. dist. mkd. T 6 S R 1 W S 33 B T.

No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Chains Soil, gravelly and rocky; 2nd and 4th rate. 10.00
 Timber, cedar and a few mahogany. 10.00
 Undergrowth, sage brush and shadscale.
 Good grass for grazing.
 Mountainous or heavily timbered land, 80.00 chs.
 November 6, 1910: At this cor. I set off $15^{\circ}53'S.$ on the decl. arc; and at 11 h 14^m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}15'N.$ which is the proper lat. nearly.

East on a re-survey line bet. secs. 3 and 34.

Over mountainous land, through dense sage brush.

Asc. gently.

4.00 Top of ridge, 30 ft. above sec. cor., bears N. and S.
 Desc.

15.40 Bottom of hollow, 50 ft. below ridge, course S.
 Enter scattering timber, bears N. and S.
 Asc.

22.00 Top of ridge, 200 ft. above hollow, bears $N. 30^{\circ}W.$ and $S. 30^{\circ}E.$
 Desc.

32.00 Old road in bottom of Canon, 300 ft. below ridge, course of Canon S., road bears N. and S.
 Asc.

38.70 The old $\frac{1}{4}$ sec. cor., which is a sandstone, $5 \times 10 \times 10$ ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears S. 20 lks. dist., I destroy all traces of the old corner.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom, and surrounded by mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S 34 in N half and S 3 in S half; from which

Re-Survey N.bdy. T.7 S..R.1 W.-Continued.

Chains

A cedar, 16 ins. in dia., bears N. 25° 00' W., 15
lks. dist.. mkd. $\frac{1}{4}$ S 34° B T.

A cedar, 12 ins. in dia., bears S. 6° 00' E., 61 lks.
mkd. $\frac{1}{4}$ S 3° B T.

44.80 Top of ridge, 80 ft. above Canon, bears N. and S.
Desc.

49.00 Bottom of hollow, 100 ft. below ridge, course S.
Asc.

58.00 Leave timber, bears N. and S.

74.50 Top of ridge, 400 ft. above hollow, bears N.E. and SW.
Desc.

77.24 The old cor. of secs. 2, 3, 34 and 35, which is a limestone,
10x10x10 ins. above ground, firmly set and marked and
witnessed as described by the surveyor general, bears
37 lks. S. I destroy all traces of this corner.

80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 12 ins. in
the ground, on solid rock bottom and surrounded
by mound of stone, for the cor. of secs. 2, 3, 34 and 35.
mkd. on brass cap

T 6 S S 34° in NW.

R 1 " S 35° in NE.

R 1 7 S 2° in SE; and

T 7 S S 3° in SW, quadrants; from which

A cedar, 5 ins. in dia., bears S. 56° 45' E., 527 lks.
dist.. mkd. " 7 S R 1 " S 2° B T.

No other trees within limits; and raise a mound of
stone, 3 ft. base, 2 ft. high, 7. of cor.

Land, mountainous.

Soil; gravelly; 2nd rate.

Timber, cedar.

Undergrowth, sage brush;

Some grass for grazing.

Re-Survey N. bdy. T. 7 S., R. 1 W. - Continued.

Chains Mountainous land, or land covered with dense undergrowth, 80.00 chs.

November 6, 1910.

November 7, 1910: At 7 h 44 m a.m. l.m.t., I set off $40^{\circ}15'N.$, on the lat. arc; $16^{\circ}06'S.$, on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35.

East on a re-survey line bet. secs. 2 and 35.

Over mountainous land; through dense sage brush.

Desc. gently.

1.70 Head of hollow, 20 ft. below sec. cor., course S.

Asc.

11.20 Top of ridge, 80 ft. above hollow, bears N. and S.

Desc.

17.60 Head of hollow, 80 ft. below ridge, course S.

Asc.

19.00 Enter heavy cedar timber, bears N. and S.

26.78 The old closing corner of secs. 2 and 35 on E. bdy. of Fort Crittenden Military Reservation, which is a sandstone, $16 \times 16 \times 10$ ins. above ground. mkd. C C and 2 grooves on 7 and 4 grooves on E faces; with stone mound along side, I destroy all traces of this corner.

This corner is on top of divide ridge bet. Utah and Cedar valleys, bears $N. 20^{\circ}E.$ and $S. 20^{\circ}W.$

33.40 Begin abrupt desc., bears N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 35 in N. half S 2 in S half; from which

A cedar, 15 ins. in dia., bears $N. 83^{\circ}15'W.$, 73 lks.
mkd. $\frac{1}{4}$ S 35 B T.

Survey N. by T. 7 S. R. 1 W. -Continued.

Chains	<p>A cedar, 10 ins. in dia., bears S. 34° 00' E., 70 lks. dist..mkd. $\frac{1}{2}$ S 2° B T.</p> <p>Desc. abruptly over ledges.</p> <p>50.00 Leave ledges, bears N. and S.</p> <p>60.50 Bottom of canon, 800 ft. below ridge, course S. 70° E. Old drag road in bottom, bears N. 70° W. and S. 70° E. Asc.</p> <p>76.00 Top of ridge, 150 ft. above canon, bears N. and S. Desc.</p> <p>80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 18 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for the cor. 1, 2, 35 and 36..mkd. on brass cap</p> <p style="padding-left: 40px;">T 6 S S 35 in NW.</p> <p style="padding-left: 40px;">R 1 W S 36 in NE.</p> <p style="padding-left: 40px;">R 1 W S 1' in SE; and</p> <p style="padding-left: 40px;">T 7 S S 2 in SW, quadrants; from which</p> <p style="padding-left: 40px;">A cedar, 6 ins. in dia., bears N. 4° 30' E., 38 lks. dist..mkd. T 6 S R 1 W S 36 B T.</p> <p style="padding-left: 40px;">A cedar, 10 ins. in dia., bears S. 82° E. 54 lks. dist..mkd. T 7 S R 1 W S 1 B T.</p> <p style="padding-left: 40px;">A cedar, 12 ins. in dia., bears S. 65° 00' W., 39 lks. dist..mkd. T 7 S R 1 W S 2 B T.</p> <p style="padding-left: 40px;">A cedar, 10 ins. in dia., bears N. 64° 00' W., 66 lks. dist..mkd. T. 6 S R 1 W S 35 B T.</p> <p>Land, mountainous.</p> <p>Soil, gravelly; 2nd rate.</p> <p>Timber, cedar.</p> <p>Undergrowth, sage brush.</p> <p>Grass for grazing fair.</p> <p>Mountainous, or heavily timber land or land covered with dense undergrowth., 80.00 chs.</p> <p>November 7, 1910: At this cor. 1 set off 16° 11' S., on the decl. arc; and at 11 h 44 m a.m., l.m.t., I observe the</p>
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Survey T. 7 S. R. 1 W. - Continued.

Chains sun on the meridian, the resulting lat. is $40^{\circ}15'N$. which is the proper lat. nearly.

East bet. secs. 1 and 36.

Over mountainous land, through scattering timber and scattering sage brush.

Desc.

1.60 Bottom of hollow, 40 ft. below sec. cor., course $S. 10^{\circ}E$.

Asc.

7.80 Top of ridge, 30 ft. above hollow, bears N. and S.

Desc.

13.00 Bottom of hollow, 30 ft. below ridge, course S.

Asc.

28.20 Top of ridge, 20 ft. above hollow, bears N. and S.

Desc.

36.40 Old road, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor.. mkd. on brass cap $\frac{1}{4}$ S 36 in N half and S 1 in S half; from which

A cedar, 5 ins. in dia., bears $N. 24^{\circ}18' W.$, 276 lks. dist.. mkd. $\frac{1}{4}$ S 36 B T.

A cedar, 4 ins. in dia., bears $S. 74^{\circ}15' E.$, 194 lks. dist.. mkd. $\frac{1}{4}$ S 1 B T.

Note: A mineral patent survey post marked M. P. 1-6111, bears $N. 53^{\circ}45' W.$, 556 lks. dist..

42.65 Bottom of hollow, 50 ft. below ridge, course $S. 20^{\circ}E$.

Asc.

46.00 Top of ridge, 30 ft. above hollow, bears N. and S.

Desc.

47.60 Bottom of hollow, 20 ft. below ridge, course $S. 30^{\circ}E$.

Asc.

W. bdy. T. 7 S. R. 1 W. - Continued.

Chains

- 49.00 Top of ridge, 10 ft. above hollow, bears N. and S.
Desc.
- 51.50 Bottom of hollow, 20 ft. below ridge, course S.
Leave scattering and enter dense cedar, bears N. and S.
Asc.
- 60.40 Top of ridge, 150 ft. above hollow, bears N. and S.
Leave heavy and enter scattering timber, bears N. and S.
Desc.
- 74.30 Bottom of hollow, 50 ft. below ridge, course $78.5^\circ E$.
Asc.
- 75.00 Top of low ridge, 10 ft. above hollow, bears NW. and SE
Desc.
- 77.20 Bottom of hollow, 60 ft. below ridge, course S.
Asc.
- 92.00 Top of ridge, 300 ft. above hollow, bears N. and S.
Note: A mineral patent survey post marked 2-5872, bears
 $S. 9^\circ 50' E$, 490 l's. dist.
Desc.
- 104.90 Bottom of hollow, 400 ft. below ridge, course SE.
Asc.
- 105.12 Intersect W. bdy. of Tps. 6 S., R. 1 W. at point 3.72 chs.
N. of the cor. of Tps. 6 and 7 S., R. 1 W.
Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in
the ground for the ^{closing} cor. of Tps. 6 and 7 S., R. 1 W..
mks. on brass cap

T 6 S R 1 W S 36 in NW.

R 1 E CC S 31 in NE.

R 1 E S 6 in SE; and

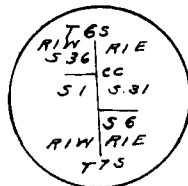
T 7 S R 1 W S 1 in SW; quadrants; from which

A cedar, 4 ins. in dia., bears $S. 59^\circ 45' W$, 114

lks dist..mkd. T 1 S R 1 W S 10 B T.

A cedar, 4 ins. in dia., bears $N. 5^\circ 35' W$, 195

lks. dist..mkd. T 6 S R 1 W S 36 B T.



U.S. G. S. R. 1. W. Continued

Chains

Land, mountainous.

Soil, clay loam and gravelly; 2nd rate.

Timber, cedar.

Undergrowth, sage brush.

Some grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 105.12 chs.

November 7, 1910 ; 2:30 p.m.

RE-SURVEY SOUTH BDY. T. 7 S., R. 1 W.

November 9 1910: At 7 h 44 m a.m., l.m.t., I set off 40°10' N., on the lat. arc; 16°41' S., on the decl. arc; and determine a meridian with the solar, at the re-established cor. of secs. 4, 5, 32 and 33, heretofore described. East on a re-survey line bet. secs. 4 and 33.

Over nearly level land, through dense ~~shadscale~~, greasewood, and sage brush.

Desc. gently.

40.00 No trace of the old $\frac{1}{4}$ sec. cor. can be found after diligent search.

Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 33 in N half and S 4 in S half; dig pits, 18x18x12 ins., E. and W. of post .3 ft. dist; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.00 No trace of old cor. of secs. 3, 4, 33 and 34 can be found after diligent search.

Set an iron post, 3 ft long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34..mkd. on brass

Re-Survey S. bdy. T. 7 S., R. 1 W. continued.

Chains

T 7 S S 33 in NW.

R 1 W S 34 in NE.

R 1 W S 3 in SE.; and

T 8 S S 4 in SW. quadrants; dig pits, 18x18x12 ins.

in each sec. 5 $\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, clay and sandy loam; 2nd rate.

No timber

Undergrowth, shadscales, greasewood and sage brush.

Note: Knowing that the 1st sec. cor. bet. secs. 2 and 35 cannot be found, I commence at the re-established cor. of secs.

4, 5, 32 & 33, on the S. bdy. of T. 7 S., R. 1 W., heretofore described. Thence I run

West, on a re-survey line bet. secs. 5 and 32.

Over nearly level land; through dense undergrowth. Asc. gently.

1.25 Wash, 30 lks. wide, 6 ft. deep, course SE.

33.00 Wash, 30 lks. wide, 4 ft. deep, course SE.

37.15 Old road, bears N. and SE.

40.00 No trace of old 1st sec. cor. can be found after diligent search.

Set a iron post, 5 ft. long, 1 in. in dia., 26 ins. in the ground, for 1st sec. cor. mk. on brass cap 10 32 in N half and S 5 in S half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Land level. Soil, sandy and clay; 2nd rate. No timber.

Undergrowth, sage brush and shadscales.

Land covered with dense undergrowth, 40.00 chs.

From the above described 1st sec. cor. I run

West, on a true line bet. the west halves of secs. 5 and 32.

Over nearly level land; through dense undergrowth. Asc.

7.50 Old road, bears N. and S.

8.00 No trace of old foot of mountain cor. can be found after diligent search.

S.bdy.T.7 S.,R.1 W.-Continued.

Chains

- 17.00 Begin ascent of bench, bears N. and S.
- 20.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1-16 sec. cor. mkd. on brass cap 1-16 S 32 in N. half; and S 5 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 24.00 Top of ascent and edge of bench, bears N. and S.
- 31.00 Leave bench, bears N. 70° W. and S. 70° E.
Desc. gently over rocky ground.
- 38.40 Wash, 20 lks. wide, 4 ft. deep, course SE.
Asc. gently.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1-16 sec. cor. mkd. on brass cap 1-16 S 32 in N half; and S 5 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 46.00 Leave valley, ascend mountain, bears N. and S.
- 52.00 Top of steep ascent, bears N. 20° W. and S. 20° E.
Asc. gradually.
- 60.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1-16 sec. cor. mkd. on brass cap 1-16 S 32 in N half; and S 5 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Begin steeper ascent, bears N. 20° W. and S. 20° E.
- 62.60 Ledge, 3 ft. high, bears N. and S.
- 64.40 Top of ridge, 200 ft. above valley, bears NW and SE.
Desc.
- 71.40 Head of hollow, 50 ft. below ridge, course S.
Asc.
- 76.56 Intersect E. side of sec. 6, T. 8 S., R. 1 W., at point 17.51 chs. S. of the cor. of secs. 6 and 31 on S. bdy. T. 7 S., R. 1 W. which is an iron stone, 10x14x10 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general, and intersect said E. bdy. of said sec. 4, 18 chs. N. of the closing cor. of secs. 5 and 6, on the bdy. of Fort Crittenden Military Reservation, which is an iron stone, 14x16x12 ins. above ground, firmly set, and mkd. and witnessed

S.bdy.T.7 S.,R.1 W.-Continued.

Chains

as described by the surveyor general.

Note:According to special instructions I do not destroy the closing cor.above described.

The cor.of secs. 6 and 31 above described was later re-established by me in this survey.

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for S.W.cor.of sec.32,mkd.on brass cap

T 7 S.in NW

R 1 W 32 in NE quadrants;and raise a mound of stone,3 ft.base,2 ft.high,NE of cor.

This cor.is on divide ridge bet. Utah and Cedar valleys, which bears N.20°E.and S.20°E.

Land,mountainous and nearly level.

Soil,sandy and clay loam and rocky;wind and 3rd rate.

Undergrowth,scrub brush and shrubscales.

No timber.

Mountainous land,or land covered with dense undergrowth, 76.56 chs.

November 9,1910:At this cor.I set off 16°46'S.,on the decl.arc;and at 11 h 44 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°10'N.,which is the proper lat.nearly.

November 9,1910.

General Description.

For general description see notes of Sub.2.7 S.,R.1 W.

Scott P. Stewart

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Scott P. Stewart

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the fractional N. and S. bdrs. T. 7 S., R. 1 W. of S. L. B. & W., Utah,

....., showing the respective capacities in which they acted:

- W. Howard West Chainman.
- Edgar S. Hurst Chainman.
- Moundman.
- Carl E. Hodel Moundman.
- Henry G. Lundell Arman.
- Arman.
- Orson W. McClellan Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott P. Stewart

....., United States Deputy Surveyor, in surveying all those parts or portions of the the fractional north and south boundaries of Township 7 South, Range 1 West

..... of the Salt Lake Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

- W. Howard West Chainman.
- Edgar S. Hurst Chainman.
- Moundman.
- Carl E. Hodel Moundman.
- Henry G. Lundell Arman.
- Arman.
- Orson W. McClellan Flagman.

described and sworn to before me this 26th day of November, 1910



Scott P. Stewart
U.S. Deputy Surveyor.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Scott P. Stewart, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from Thomas Hull,
United States Surveyor General for Utah, bearing date of
16th day of March, 1910, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for Utah, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of fractional North and South
Base and Meridian of Township No. 7 South, Range No. 1 West

of the Salt Lake
Base and Meridian, in the State of Utah, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for Utah, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such ^{re}survey.

Scott P. Stewart

United States Deputy Surveyor.

Subscribed by said Scott P. Stewart, and sworn to before me
this 26th day of January, 1912



Thomas Hull
U.S. Surveyor-General
for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 11, 1912 M-

The foregoing field notes of the ^{re}survey of the fractional N. and S. Boundaries
of Township No. 7 South, Range No. 1 West of the Salt Lake Base and
Meridian, Utah,

executed by Scott P. Stewart
under his contract No. 716, dated March 16, 1910, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-373

FILED
JAN 5 1911

m. S. B.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION AND MEANDERS

of

Township No. 3 South, Range No. 1 West

Of the Salt Lake Base and

Meridian,

Utah.

AS SURVEYED BY

Scott D. Stewart

United States Deputy Surveyor,

Under his Contract No. 312, dated March 16, 1910, \$100

Survey commenced November 2, 1910 \$100

Survey completed November 25, 1910 \$100

1-4-10-5-10
 40-1-10-24
 Wandering 1-4-10-10
 Res. Wandering 1-4-10-20

NAMES AND DUTIES OF ASSISTANTS.

W. Howard West ----- Chairman

Edgar S. Hurst ----- Chairman

Carl E. Hodel ----- Moundman

Henry J. Lundell ----- Axman

Orson W. McClellan ----- Flagman

For preliminary affidavits see book "C" T. 7 S. R. 1 E.

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Township 7. South, Range 1 West, Salt Lake Meridian

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7	I2	8	75	9	65	10	55	11	45	12	
		74		73		63		54		43	
16	I3	17	71	16	61	15	52	14	42	13	
		31		33		35		37		38	
19	I5	20	69	21	59	22	50	23	40	24	
		29		28		22		20			
30	I7	29	25	28		21		20			
		26		9		3		25		26	35
						4		6			
31	I8	32	8	33	2	34		35		36	
	19										

Meanders Page 7-83

PRELIMINARY OATHS OF ASSISTANTS.

127
We, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will stretch the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; and we will report the true distances to all notable objects, and the true lengths of all lines that we measure, measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman*
_____, *Chainman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman*
_____, *Moundman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



We, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman*
_____, *Axman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



Survey commenced Nov. 9, 1910, and executed with a Young and Sons light mountain transit No. 7381, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, Oct. 22, 1910.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by observation on Polaris, I proceed as follows:

At the re-established cor. of secs. 3, 4, 33 and 34 on the S. bdy. of T. 7 S., R. 1 W., latitude $40^{\circ}09'32''$ N., longitude $111^{\circ}56'16''$ W., I set off $40^{\circ}10'$ N., on the lat. arc; $16^{\circ}47'$ S., on the decl. arc.; and at 3:44 p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of cor. Nov. 9, 1910.

At the above described corner at 4 h 10 m p.m. l.m.t., I observe Polaris at western elongation and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor. Note: Since it is not usual to obtain a Polaris observation as early in the evening as above noted, I will explain that conditions were favorable, the sun having gone below the mountain to the west and having an excellent telescope I was able to see the star distinctly.

November 10, 1910.

Subdivision of T. 7 S. R. 1 W. - Continued

Chains

November 10, 1910: At 7 h 14 m a.m., l.m.t., I lay the azimuth of Polaris $1^{\circ}32'$ to the west, and mark a point on the meridian thus determined, by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.35 ins. east of the meridian determined by the solar.

At 7 h 44 m a.m., l.m.t., I set off $40^{\circ}10'N.$ on the lat. arc; $16^{\circ}58'S.$ on the decl. arc; and determine a meridian with the solar, and mark a point thereof by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.38 ins. east of the meridian determined by Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridian respectively about $0^{\circ}18''$ west and $0^{\circ}20''$ east of the meridian determined by Polaris observations therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8 h 0 m a.m., l.m.t., is $N. 16^{\circ}55' W.$, the angle thus determined gives the mag. decl. $16^{\circ}55' E.$

From the re-established cor. of secs. 3, 4, 33 and 34 heretofore described.

Thence I run

North on a re-survey line bet. secs. 33 and 34.

Over nearly level land, through dense sage brush and shadscales.

Asc. gently.

32.90 Old road, bears $N. 60^{\circ} E.$ and $S. 60^{\circ} W.$

34.20 Wash, 15 lks. wide, 3 ft. deep, course SE.

Subdivision of T 7 S, R 1 W - Continued

Chains	
40.00	<p>Find no trace of $\frac{1}{4}$ sec.cor.after diligent search.</p> <p>Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for $\frac{1}{4}$ sec.cor..mkd.on brass cap $\frac{1}{4}$ S 33 in W half and S 34 in E half;and dig pits,18x18x12 ins. N.and S.of cor.3 ft.dist;and raise a mound of earth, $3\frac{1}{2}$ ft.base,$1\frac{1}{2}$ ft.high,W.of cor.</p>
77.20	<p>Wash 20 lks.wide,3 ft.deep,course SE.</p>
80.00	<p>No trace of the old cor.of secs.27,28,33 and 34 can be found after diligent search.</p> <p>Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.27,28,33 and 34.(re-established) mkd.on brass cap</p> <p style="padding-left: 40px;">T 7 S S 28 in NW.</p> <p style="padding-left: 40px;">R 1 W S 27 in NE.</p> <p style="padding-left: 40px;">S 34 in SE;and</p> <p style="padding-left: 40px;">S 33 in SW;quadrants;dig pits,18x18x12 ins. in each section,$5\frac{1}{2}$ ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,W.of cor.</p> <p>Land,level.</p> <p>Soil,sandy and clay loam;2nd rate.</p> <p>No timber</p> <p>Undergrowth,shadescales and sage brush.</p>
<p>North on a re-survey line bet.secs.27 and 28.</p> <p>Over gently rolling ground;through dense undergrowth.</p> <p>Asc.gently.</p>	
6.00	<p>Wash,10 lks.wide,3 ft.deep,course S.70°E.</p>
9.00	<p>Wash,50 lks.wide,10 ft.deep,course S.60°E.</p>
26.30	<p>Wash,15 lks.wide,3 ft.deep,course SE.</p>
39.60	<p>Wash,20 lks.wide,3 ft.deep,course SE.</p>

4

Subdivision of T.7 S. R.1 W. - Continued.

Chains

40.00 No trace of old $\frac{1}{4}$ sec. cor. can be found after diligent search.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 28 in W half and S 27 in E half; dig pits, 18x18x12 ins. N. and S. of cor. 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. cor.
 Land, nearly level.
 Soil, clay and gravelly loam; 2nd rate.
 Undergrowth, sage brush and shade sedge.
 No timber.

From the re-established cor. of secs. 27, 28, 33 and 34, heretofore described.

I run

East on a re-survey line bet. secs. 27 and 34.
 Over nearly level land, through dense undergrowth.
 Desc. gently.

27.25 Wash, 30 lks. wide, 4 ft. deep, course SE.

35.70 Wash, 20 lks. wide, 4 ft. deep, course S. 30° E.

40.00 After diligent search, no trace of old $\frac{1}{4}$ sec. cor. can be found.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 27 in W half and S 34 in E half; dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.00 No trace of old cor. of secs. 26, 27, 34 and 35 can be found after diligent search.

Subdivision of T. 7 S. R. 1 E. -Continued.

Chains Set an iron post, 3 ft. long 2 ins. in dia., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35 mtd. on brass cap

T 7 S S 27 in NW.

R 1 7 S 26 in NE.

S 35 in SE; and

S 34 in SW; quadrants; dig pits, 18x18x12 ins. in each section, $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

November 9, 1910: At this cor. I set off $16^{\circ}46'S.$, or the decl. arc; and at 11 h 44 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}10' N.$ which is the proper lat. nearly.

North on a re-survey line bet. secs. 26 and 27.

Over nearly level land; through dense undergrowth. Asc. gently.

27.30 Road bears N. $70^{\circ}E.$ and S. $70^{\circ}W.$

32.00 Wash, 20 lks. wide, 4 ft. deep, course SE.

40.00 Find no trace of old $\frac{1}{4}$ sec. cor. after diligent search. Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. mtd. on brass cap $\frac{1}{4}$ S 27 on W half and S 26 in W half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, nearly level.

Soil, clay loam and gravelly; 2nd rate.

No timber,

Undergrowth, shade scales, sage brush and treasewood.

Subdivision of T.7 S., R.1 W. - Continued.

Chains

East on a re-survey line bet. secs. 26 and 35.

Over nearly level land, through dense undergrowth.

Desc. gently.

Note: From this cor. the 37th mile stone counting from Provo on the County road, bears N. $73^{\circ}58'E.$, 16.65 chs.

5.90 Old road, bears NE. and SW.

14.75 County road, NE. and SW.

15.60 Telephone line, bears NE. and SW. This telephone line runs from Mosida to Lehi.

20.00 Descend sloping bank, bears N. and S.

23.50 Foot of descent, bears N. and S.

23.70 Old road, bears N. and S.

35.00 To edge of lake.

No trace of the old meander corner can be found after diligent search.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for meander cor. for secs. 26 and 35. mkd. on brass cap T 7 S S 26 S 35 in W half and R 1 W M C in E half; dig a pit, 36x36x12 ins. 8 ft. W. of post.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, shadescale and greasewood.

Subdivision of T. 7 S. R. 1 E. -Continued.

Chains

Note; As already explained and as confirmed by the notes already written, no old corners exist in this part of this Tp. and before commencing from the Meander cor. bet. secs. 24 and 26, I find it will be necessary to re-establish the same, therefore I proceed as follows:

MEANDERS OF WEST SHORE OF NEAH LAKE.

From the re-established meander cor. of secs. 24 and 35, heretofore described, I run with meanders in front of Sec. 26 on the re-survey line.

N. 25° E. 37. chs.

N. 63½° E. 28. chs. At 5.00 chs. ascend steep bank, pass NW. and SE. corner of house undergrowth.

At 28.00 chs. the shore of the lake is about 5 chs. E. of this point.

N. 17° E. 24.20 chs. At 22.00 chs. telephone line from Lehi to Nevada, bears N. 25° 30' W. and S. 25° 30' W.

At 22.30 chs. County road, bears N. 25° 30' W. and S. 25° 30' W.

At 24.20 chs. no trace of the old meander cor. of secs. 24 and 26 can be found after different search.

Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for meander cor. of secs. 24 and 26. mark on brass cap T 7 S S 24 S 26 in W half and R 1 T 7 S in E half; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, clay loam and gravelly; 2nd rate.

No timber.

Re-Survey Subdivision of T.7 S., R.1 W. -Continued.

Chains Undergrowth, sage brush and greasewood.

CONFIRMED

Note: This corner is about 15.00 chs. W. of the shore of Utah Lake, and it is evident that the line never was run by the Deputy in the original survey as reported, but since land has been patented according to the notes returned by him no other course was left for me except to follow his reported lines.

November 9, 1910.

RE-SURVEY SUBDIVISION OF T.7 S., R.1 W.

November 10, 1910: At 7 h 44 m a.m., l.m.t., I set off 40°10'N., on the lat. arc; 16°58'S., on the decl. arc. and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33, (re-established) ., North on a re-survey line bet. secs. 32 and 33. Over nearly level land; through dense undergrowth. Asc. gently.

30.10 Old road, bears N. 80°W and S. 80°E.

38.00 Begin asc. over rolling hills, bears NE. and SW.

40.00 No trace of old $\frac{1}{4}$ sec. cor. can be found after diligent search.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 32° on W. half and S 33 on E half; and raise a mound of stone, 2 ft. base 1½ ft. high, W. cor.

45.00 Top of ridge, 30 ft. above valley, bears NW. and SE.

Desc.

52.20 Bottom of hollow, 20 ft. below ridge, course SE.

Asc.

Survey Subdivision of T. 7 S. R. 1 W. - Continued.

Chain

57.50 : Top of sandstone ledges, 6 ft. high, bears E. and W.

75.00 : Top of ledge, 50 ft. above hollow, bears NE. and SW.

Desc.

80.00 : No trace of old cor. of secs. 28, 29, 32 and 33 can be found after diligent search.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for re-established cor. of secs. 28, 29, 32 and 33, mkd. on brass cap

T 7 S S 29 in NW.

R 1 W S 28 in NE.

S 33 in SE; and

S 32 in SW; quadrants; and raise a mound

of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, nearly level and rolling hills,

Soil, sandy and clay loam and gravelly; 2nd rate.

No timber.

Undergrowth, shade scale and sage brush.

East on a random re-survey line bet. secs. 28 and 33.

40.00 : Set temp. ¼ sec. cor.

No trace of old ¼ sec. cor. can be found after diligent search

80.00 : The re-established cor. of secs. 27, 28, 33 and 34.

Thence I run

West on a true re-survey line bet. secs. 28 and 33.

Over nearly level land; through dense undergrowth.

Asc. gently.

40.00 : Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the

Re-Survey Subdivision of T. 7 S., R. 1 W. - Continued.

Chains	ground, for re-established $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 28 on the N half and S 33 in the S half; and raise a mound of stone. 3 ft. base; $1\frac{1}{2}$ ft. high, N. of cor.
40.15	Old road, bears N. and S.
43.70	Wash, 70 lks. wide, 3 ft. deep, course S. 20° E.
46.80	Wash, 20 lks. wide, 3 ft. deep, course SE.
72.60	Old road, bears N. 10° W. and SE.
74.40	Wash, 15 lks. wide, 3 ft. deep, course SE. Begin ascent of ridge, bears NW. and SE.
80.00	The re-established cor. of secs. 28, 29, 32 and 33. Land, nearly level and rolling hills. Soil, sandy and clay loam; 2nd rate. No timber. Undergrowth, shadscale, sage brush and greasewood. November 10, 1910: At this cor. I set off 17° 03' S. on decl. arc; and at 11 h 44 m a.m. l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 10' N., which is the proper lat. nearly.

November 10, 1910: At 2 h 44 m a.m., l.m.t., I set off 40° 15' N., on the lat. arc; 17° 04' S., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 5, 6, 31 and 32, on N. bdy. of Tp. (re-established by me, and heretofore described).

Note; Before commencing the subdivision of this Tp.

I decide to re-trace the East side of the western tier of sections which has been previously surveyed therefore from the above described corner

I run

S. 0° 13' W. on a re-tracement line bet. secs. 5 and 6.

Re-Survey Subdivision of T.7 S..R.1 W.-Continued.

Chains	Over gently rolling land; through dense sage brush. Asc.
19.75	Old road, bears N.80°E. and S.80°W.
29.80	Wash, 15 lks. wide, 3 ft. deep, course W.
39.21	Fall 52 lks. E. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 6x10x8 ins. above ground, firmly set but poorly marked and poorly witnessed, therefore, I destroy all traces of this corner and at the same point Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor. ^{on brass cap} mkd. $\frac{1}{4}$ S 6 in W 1/2 and S 5 in E 1/2; raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. The course of this $\frac{1}{4}$ mile is therefore S.0°59'W., 39.21 chs.
57.15	Wash, 15 lks. wide, 3 ft. deep, course W.
62.60	Wash, 15 lks. wide, 2 ft. deep, course N.60°W.
79.58	Fall 27 1/2 lks. E. of the cor. of secs. 5, 6, 7 and 8, which is a limestone, 6x10x10 ins. above ground, poorly marked and witnessed as described by the surveyor general. This cor. not being in good state of preservation, I destroy all traces of it and at the same point Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for re-established cor. of secs. 5, 6, 7 and 8.. mkd. on brass cap T 7 S S 6 in NW. R 1 W S 5 in NE. S 8 in SE; and S 7 in SW. quadrants; and raise a mound of stone 2 1/2 ft. base, 2 ft. high, W. of cor. The course of the S. half of this mile is therefore S.0°08'E., 40.37 chs. Land, rolling and nearly level Soil, gravelly and clay loam; 2nd rate. No timber. Undergrowth, sage brush and shade scales.

Chains

November 10, 1910.

Ant. 23

27.91

28.82

29.83

November 11, 1910: At 7 h 44 m a.m., l.m.t.; I set of
 40°14'N., on the lat. arc; 17°15'S., on the decl. arc;
 and determine a meridian with the solar at the
 re-established cor. of 5, 6, 7 and 8,

Thence South on a re-tracement line bet. secs. 7 and 8.
 Over rolling land, through dense undergrowth.

Asc. gently.

13.60 Wash, 30 lks. wide, 10 ft. deep, course N. 60°W.

16.00 Old road, bears NW and SE.

17.30 Wash, 30 lks. wide, 15 ft. deep, course NW.

30.00 Enter scattering cedar timber, bears E. and W.

40.41 Fall 7 lks. E. of the $\frac{1}{4}$ sec. cor., which is a sandstone,
 6x14x6 ins. above ground, poorly set and poorly marked,
 the stone being badly disintegrated but witnessed
 as described by the surveyor general. I destroy all
 traces of this cor. and at the same point
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground, for re-established $\frac{1}{4}$ sec. cor. mkd. on brass
 cap $\frac{1}{4}$ S 7 in W half and S 8 in E half; and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The bearing trees were not disturbed.

41.90 Wash, 100 lks. wide, 20 ft. deep, course NW.

77.80 Wash, 30 lks. wide, 10 ft. deep, course W.

80.85 Fall 9 lks. E. of the cor. of secs. 7, 8, 17 and 18, which is
 a limestone, 6x8x6 ins. above ground, firmly set but
 poorly marked and the witness trees are so poorly
 marked that many of the marks are not discernible,
 therefore I destroy all traces of this cor. and re-mark
 the original trees also one tree in addition as follows

Re-Survey Subdivision of T.7 S. R.1 W.-Continued.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for re-established cor. of secs. 7, 8, 17 and 18..mkd. on brass cap

T 7 S S 7' in NW.

R 1 W S 8' in NE.

S 17' in SE. and

S 18' in SW, quadrants; from which

A cedar, 12 ins. in dia., bears N. 45° 30' E., 27 lks. dist..mkd. T 7 S R 1 W S 8 B T.

A cedar, 10 ins. in dia., bears S. 78° 00' E., 60 lks. dist..mkd. T 7 S R 1 W S 17 B T.

A cedar, 8 ins. in dia., bears S. 78° 00' W., 62 lks. dist..mkd. T 7 B R 1 W S 18 B T.

A cedar, 6 ins. in dia., bears N. 46° 30' W., 262 lks. dist..mkd. T 7 S R 1 W S 7 B T.

Land, nearly level and rolling.

Soil, clay loam and gravelly; 2nd rate.

Timber, cedar

Undergrowth, shadscale and sage brush.

The course of the north $\frac{1}{2}$ of this mile is therefore S. 0° 06' W., 40.41 chs., and the course of the South half is S. 0° 02' W., 40.44 chs.

South on a re-tracement line bet. secs. 17 and 18.

Over rolling land; through dense undergrowth.

Asc. gently.

5.00 Top of low ridge, 20 ft. above sec. cor., bears N. and W.

Desc.

13.65 Wash, 30 lks. wide, 10 ft. deep, course S. 80° W.

27.00 Wash, 50 lks. wide, 15 ft. deep, course N. 85° W.

40.07 Wall 8 lks. 7. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 6x10x10 ins. above ground, poorly set and poorly marked, therefore I destroy all traces of this corner

Re-Survey Subdivision of T. 7 S. R. 1 E. -Continued.

Chains and at the same point

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for re-established $\frac{1}{2}$ sec. cor. mkd. on brass cap 18 in N half and S 17 in E half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The course of this $\frac{1}{2}$ mile is therefore S. $0^{\circ}7'E.$, 40.07 chs.

57.80 Wash, 10 lks. wide, 5 ft. deep, course N. $45^{\circ}W.$

74.80 Wash, 50 lks. wide, 5 ft. deep, in bottom of hollow, 100 ft. below $\frac{1}{2}$ sec. cor., course W.

75.25 Old road, bears NE. and SW.

80.27 Call 15 lks. W. of the cor. of secs. 17, 18, 19 and 20, N

which is a limestone, $10 \times 10 \times 5$ ins. above ground, firmly set but poorly marked and the bearing tree originally described does not correspond as to bearing and distance and is poorly marked, therefore, I destroy all traces of this corner and at the same point

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for re-established cor. of secs. 17, 18, 19 and 20..mkd. on brass cap

T. 7 S S 18 in NW.

R 1 W S 17 in NE.

S 20 in SE; and

S 19 in SW, quadrants; from which

A cedar, 5 ins. in dia., bears N. $45^{\circ}30'E.$, 27

lks. dist. mkd. T 7 S R 1 W S 17 B T.

This is the tree originally marked and described.

A cedar, 6 ins. in dia., bears N. $68^{\circ}20'W.$, 251

lks. dist. mkd. T 7 S R 1 W S 18 B T.

No other trees within limits; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

The course of the S. half of this line is therefore S. $0^{\circ}06'E.$, 40.20 chs.

Land, rolling and nearly level.

Soil, clay loam and gravelly; 2nd rate.

Re-Survey Subdivision of T. 7 S. R. 1 E. 3rd

Chains

Timber, very few scattering cedars.

Undergrowth, sage brush and shade scales.

South on a re-tracement line along the East side of Sec. 19.

Over rolling ground; through dense undergrowth.

Desc. gently.

28.90 Old road, bears NW. and SE.

29.40 Wash, 20 lks. wide, 3 ft. deep, course NW.

38.50 Top of low ridge, bears E. and W.

Enter scattering cedar timber, bears E. and W.

40.64 Fall 14 lks. E. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 6x12x6 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

This corner being well preserved and well set I do not disturb it but raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The course of the N. half of this line is therefore S. 0° 12' W., 40.64 chs.

53.90 Bottom of hollow, 30 ft. below $\frac{1}{4}$ sec. cor., course W.
Asc.

61.30 Top of ridge, 20 ft. above hollow, bears E. and W.
Desc.

66.30 Bottom of hollow, 20 ft. below ridge, course N. 80° W.
Asc.

76.00 Top of ridge, 30 ft. above hollow, bears E. and W.
Desc.

81.09 Fall 5 lks. E. of the cor. of secs., 19, 20, 29 and 30, which is a conglomerate 8x4x4 ins. above ground.

Re-Survey Surdivision of T.7 S., R.1 W. - Continued.

Chains firmly set, but poorly marked and the stone is in a bad state of preservation, therefore, I destroy all traces of this corner and at the same point Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for re-established cor. of secs. 19 and 30 only mkd. on brass cap

T 7 S S 19 in. NW.

R 1 W in NE.

S 30 in SW, quadrants; from which

A cedar, 12 ins. in dia., bears N. $26^{\circ}20'W.$, 235

lks. dist. mkd. T 7 S R 1 W S 19 B T.

No other trees within limits; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The course of this line is therefore $S.0^{\circ}08'E.$, 40.45 chs. for the S. half of this mile.

Note: Before proceeding further, I destroy the corner originally set 40.00 chs. E. of this point and also the closing cor. on the Fort Crittenden Military Reservation originally set 66.01 chs. E. of this point according to special instructions and the above corner was marked for secs. 19 and 30 only.

Land, rolling and nearly level.

Soil, clay loam and gravelly; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and shadescale.

November 11, 1910: At this cor. I set off $17^{\circ}20'$ on decl. arc; and at 11 h 44 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}11'N.$ which is the proper lat. nearly.

Re-Survey Subdivision of T.7 S., R.1 W.-Continued.

Chains	
	South on a re-tracement line along the E. side of Sec. 30 Over rolling land; through dense undergrowth.
	Asc. gently.
25.00	Top of low ridge, 30 ft. above sec. cor., bears E. and W. Desc. gently.
28.60	Old road, bears N. 80° E. and S. 80° W.
40.58	Fall 104 lks. W. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 14x12x8 ins. above ground, firmly set and well marked, The prospect hole to which a bearing has been given, bears N. 81° 30' E., 4.10 chs., instead of 3.00 chs. as originally noted. The SE. bearing tree is as originally described but since this is not longer the $\frac{1}{4}$ sec. cor. for Sec. 29 I destroy the marking on this tree and mark a tree in Sec. 30 as follows: A cedar, 10 ins. in dia., bears N. 75° 00' W., 188 lks. dist. mkd. $\frac{1}{4}$ S 30 E E. This corner being well preserved I do not destroy it. The course of the N. half of this mile is therefore S. 1° 28' E., 40.60 chs. enter scattering timber, bears E. and W.
53.60	Begin ascent of ridge, bears E. and W.
63.30	Top of ridge, 100 ft. above $\frac{1}{4}$ sec. cor., bears E. and W. Desc. Leave scattering timber, bears E. and W.
64.00	Bottom of hollow, 20 ft. below ridge, course W. Asc.
72.00	Top of ridge, 30 ft. above hollow, bears E. and W. Desc.
81.00	Fall 86 lks. W. of the cor. of secs. 29, 30, 31 and 32, which is a limestone, 6x14x6 ins. above ground firmly set but poorly marked and witnessed, therefore I destroy all traces of this corner and at the same point Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for re-established cor. of secs. 30 and 31 only.. mkd. on brass cap

Re-Survey Subdivision of T.7 S., R.1 W., Contd.

Chains

T 7 S S 30 in NW.

R 1 W in NW.

S 31 in SW; quadrants; and raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Note: Before proceeding further I destroy the closing corner on the Fort Crittenden Military Reservation originally set 26.20 chs. E. of this cor. according to special instructions.

Land, rolling hills and nearly level.

Soil, clay and gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and shade scales.

The course of the S. half of this mile is therefore S. $0^{\circ}14'W.$, 40.42 chs.

South on a re-tracement line along the E. side of Sec. 31.

Over rolling land; through dense undergrowth.

Asc. gently.

40.25 Fall 20 lks. E. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 8x16x12 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. Since this corner ~~is~~ well preserved I do not disturb it but raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.75 Fall 5 lks. E. of the cor. of secs. 5, 6, 31 and 32., on N. bdy. T. 8 S., R. 1 W., which is a re-established cor. An iron stone, 6x14x10 ins. above ground, firmly set but poorly marked and poorly witnessed, therefore, I destroy all traces of this corner and at the same

Re-Survey Subdivision of T. 7 S. R. 1 W. -Continued.

Chains

point

Set an iron post, 3 ft. long, 3 ins. in dia., 2 1/2 ins. in the ground for re-established cor. of secs. 6 and 31. on N. bdy. of T. 8 S., R. 1 W. mkd. on brass cap

T 7 S S 31 in NW.

R 1 W in NW.

T 8 S R 1 W S 6 in SW; quadrants; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, 7. of cor.

The course of the E. half of this mile is therefore S. 0° 17' W., 40.25 chs. and the course of the S. half is S. 0° 13' W., 40.50 chs.

Land, rolling.

Soil, clay loam and gravelly; 2nd rate.

No timber.

Undergrowth, sage brush and shade scale.

South on a re-tracement line along the E. side of Sec. 6, T. 8 S., R. 1 W.

Over rolling land; through dense undergrowth. Asc. gently.

17.51 The SW. cor. of Sec. 32, as set by me in this survey.

21.69 The closing cor. on the Fort Driftenden Military Reservation heretofore described.

Land, rolling.

Soil, clay loam; 2nd rate.

No timber.

Undergrowth, sage brush and shade scale.

November 11, 1910.

Chains

November 12, 1910: At 7 h 44 m a.m., l.m.t., I set off 40°11' N., on the lat. arc; 17°30' S., on the decl. arc; and determine a meridian with the solar at the re-established $\frac{1}{4}$ sec. cor. of 26 and 27.

Note: From the work already done I know that the line on the N. side of Sec. 26 will intersect within limits of 21' of arc; and therefore establish the permanent cor. at 40.00 chs. N. of this cor., I proceed as follows:

North on a true line bet. the North halves of Secs. 26 and 27.

Over nearly level land; through dense undergrowth.

Asc. gently.

38.00 Wash, 20 lks. wide, 3 ft. deep, course SE.

40.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for the cor. of secs. 26 and 27. mkd. on brass cap

T 7 S in NW.

R 1 W in NE.

S 26 in SE. and

S 27 in SW; quadrants; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land. nearly level.

Soil, clay loam and gravelly; 2nd rate.

No timber,

Undergrowth. sage brush and shade scales.

East on a random line along the N. side of Sec. 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

73.21 Fall 8 lks. S. of the meander cor. of secs. 24 and 26,

Subdivision of T.7 S., R.1 W. - Continued.

Chains	re-established, heretofore described.
	Thence I run
	S. 89° 56' W., on a true line along the W. side of Sec. 26.
	Over rolling land; through dense undergrowth.
	Asc. gently.
3.40	Wash, 10 lks. wide, 5 ft. deep, course SE.
28.40	Wash, 15 lks. wide, 3 ft. deep, course S. 30° E.
33.21	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ in N half and S 26 in S half; and raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
36.39	Wash, 15 lks. wide, 3 ft. deep, course SE.
71.17	Wash, 15 lks. wide, 3 ft. deep, course SE.
71.82	Wash, 20 lks. wide, 3 ft. deep, course S. 30° E.
73.21	The cor. of secs. 26 and 27.
	Land, rolling.
	Soil, clay loam and gravelly; 2nd rate.
	No timber.
	Undergrowth, sage brush and shadescale.
<hr/>	
	From the re-established $\frac{1}{4}$ sec. cor., bet. Secs. 27 and 28,
	I run
	North bet. secs. 27 and 28.
	Over rolling land, through dense undergrowth.
	Asc. gently.
4.25	Old road, bears N. 70° W. and S. 70° E.
23.50	Wash, 30 lks. wide, 6 ft. deep, course SE.
30.00	Leave valley and begin ascent of mountain, bears N. and W.
40.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the

Subdivision of T.7 S., R.1 W., Continued.

Chains

ground for cor. of secs. 27 and 28..mkd. on brass cap

T 7 S in NW.

R 1 W in NE.

S 27 in SE. and

S 28 in SW, quadrants; and raise a mound of stone,

3 ft. base, 2 ft. high, W. of cor.

Land, nearly level and mountainous,

Soil, clay and gravelly and clay loam; 2nd rate.

Undergrowth, sage brush and shade scale.

No timber.

Mountainous land, or land covered with dense undergrowth,

40.00 chs.

November 12, 1910: At this cor. I set off $17^{\circ}36'S$. on decl.

arc; and at 11 h 44 m a.m., l.m.t., I observe the sun on

the meridian, the resulting lat. is $40^{\circ}11'N$., which is

the proper lat. nearly.

 East on a random line along the N. side of Sec. 27.

40.00 Set temp. 4 sec. cor.

80.10 Intersect the N. and S. line, 10 lks. S. of the cor. of Secs. 26 and 27.

Thence I run

 $S. 89^{\circ}56'W$., on a true line along the N. side of Sec. 27

Over rolling land, through dense undergrowth.

Asc. gently.

.40 Wash, 4 lks. wide, 4 ft. deep, course S.

1.75 Old road, bears N. and S.

5.25 Leave valley and begin ascent of mountain, bears N. and S.

23.50 Ledge, 3 ft. high, bears NE. and SW.

25.50 Top of ridge, 150 ft. above valley, bears N. and S.

Subdivision of T. 7 S. R. 1 W. - Continued.

Chains	Enter scattering timber, bears N. and S.
	Desc.
39.50	Foot of descent, enter broad hollow, bears NW. and SE. Thence over nearly level land.
40.05	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1 sec. cor. mkd. on brass cap 1 in N half and S 27 in S half; from which a cedar, 4 ins. in dia., bears S. 74° 52' W., 555 lks. dist. mkd. 1 S 27° B T. And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Leave timber, bears NE. and SW.
48.20	Wash, 20 lks. wide, 2 ft. deep, course S. 20° E.
53.30	Old road, bears NW. and SE.
59.40	Wash, 15 lks. wide, 4 ft. deep, course SE. Leave broad hollow, and ascend mountain, bears NW. and SE.
63.30	Top of ridge, 80 ft. above hollow, bears N. 60° W. and S. 60° E. Desc.
74.000	Head of hollow, 20 ft. below ridge, course S. Asc.
78.00	Top of ridge, 20 ft. above hollow, bears N. and S. Desc.
80.10	The cor. of secs. 27 and 28. Land, mountainous and nearly level. Soil, gravelly; 2nd rate. Timber, cedar. Undergrowth, sage brush and shade scale. Mountainous land or land covered with dense undergrowth, 80.10 chs.

November 12, 1910.

Subdivision of T.7 S., R.1 W.-Continued.

Chains

November 14, 1910: At 7 h 44 m a.m., l.m.t., I set off 40°10' N., on the lat. arc; 18°02' S., on the decl. arc; and determine a meridian with the solar at the re-established cor. of secs. 28, 29 32 and 33.

According to special instructions

I run

West on a true line bet. secs. 29 and 32.

Over rolling land; through dense undergrowth.

Asc. gently.

30.00 Top of ridge, 50 ft. above sec. cor., bears N. 20° W. and S. 20° E.

Desc.

38.90 Head of hollow, 20 ft. below ridge, course S.

Asc.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock bottom and surrounded by mound of stone for sec. cor. mkd. on brass cap $\frac{1}{4}$ S 29 in N half and S 32 in S half; and raise mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

44.90 Top of ridge, 30 ft. above hollow, bears N. and S.

Desc.

48.50 Head of hollow, 20 ft. below ridge, course S.

Asc.

54.00 Top of ridge, 20 ft. above hollow, bears N. and S.

Desc.

59.70 Head of hollow, 20 ft. below ridge, course SE.

Asc.

Enter scattering timber, bears N. and S.

60.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1/16 sec. cor. mkd. on brass cap 1/16 S 29 in N half and S 32 in S half; from which

A cedar, 4 ins. in dia., bears N. 55° 00' W., 155 lks. dist. mkd. 1/16 S. 29 B T.

A cedar, 4 ins. in dia., bears S. 88° 30' W., 70 lks.

Subdivision of T.7 S., R.1 W. - Continued.

Chains	dist..mkd.1/16 S 32 B T. Also raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
70.00	Top of ridge, 50 ft. above hollow, bears N. 20° W. and S. 20° E. Desc.
75.00	Bottom of hollow, 50 ft. below ridge, course SE. Asc.
80.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1/16 sec. cor..mkd. on brass cap 1/16 S 29 in N half and S 32 in S half; from which A cedar, 4 ins. in dia., bears E. 55° 30' E., 122 lks. dist..mkd. 1/16 S 29 B T. No other trees within limits; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
82.00	Begin more abrupt ascent, bears N and S.
87.00	Top of ridge, 140 ft. above hollow, bears N. and S. Desc.
89.50	Bottom of hollow, 40 ft. below ridge, course S. Asc.
95.00	Top of ridge, 60 ft. above hollow, bears N and S. Desc.
99.25	Bottom of hollow, 60 ft. below ridge, course S. Asc.
100.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1/16 sec cor..mkd. on brass cap 1/16 S 29 in N half and S 32 in S half; from which A cedar, 8 ins. in dia., bears E. 11° 30' E., 35 lks. dist..mkd. 1/16 S 29 B T. A cedar, 8 ins. in dia., bears S. 53° 00' E., 62 lks. dist..mkd. 1/16 S 32 B T. Leave timber bears N. and S.
105.00	Top of ridge, 80 ft. above hollow, bears NE. and S. Desc.
116.14	Entersect E. bdy. of Sec. 31 at point S. 0° 17' W., 18.50 chs. from the re-established cor. of secs. 30 and 31, heretofore, described.

Subdivision of T. V. S. R. I. V. - Continued.

Chain Set an iron post, 3 ft long, 2 ins. dia., 24 ins. in the ground, for closing cor. of sec. 29 and 32, mkd. on brass cap

T 7 S S 30' in NW.

R 1 7 S 29' in NE.

S 32 in SE; and

C C S 31 in SW, quadrants; and raise a mound of

stone, 2 ft. base, 1½ ft. high, N. of cor.

Land, rolling mountains

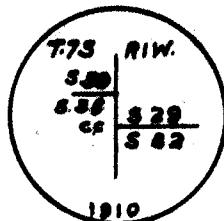
Soil, sandy and gravelly loam; 2nd rate

timber, cedar.

Undergrowth, sage brush and shadscale.

Mountainous land, or land covered with dense undergrowth.

116.14 aca.



November 16, 1913: At the re-established cor. of secs. 29, 30, 32 and 33, I set off 13°08'S. on the Sec. line; and at 11 h 44 m a.m., 1 m.t., I observe the sun on the meridian the resulting lat. is 40°10'N., which is the proper lat. nearly.

Thence I run

N. 0°01'W., bet. secs. 28 and 29.

Over rolling mountainous land; through dense undergrowth.

Desc.

7.90 Wash, 30 lks. wide, 3 ft. deep, course S. 80°E., at foot of ridge, bears N. 80°E. and S. 80°W.

Asc. gently.

11.50 Wash, 20 lks. wide, 4 ft. deep, course S. 80°E.

18.75 Old road, bears N. 70°W. and S. 70°E.

Subdivision of T.7 S., R.1 W.-Continued.

Chains

- 30.00 Begin ascent over rolling hills, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, mkd. on brass cap $\frac{1}{4}$ S 29 in W half and S 28 in E half; from which
- A cedar, 4 ins. in dia., bears S. 43° 00' E., 69 lks. dist.. mkd. $\frac{1}{4}$ S 28 B T.
- A cedar, 4 ins. in dia., bears S. 84° 00' W., 180 lks. dist.. mkd. $\frac{1}{4}$ S 29 B T.
- 46.30 Enter scattering timber, bears E. and W.
Top of ridge, 100 ft. above valley, bears E. and W.
- Desc.
- 61.00 Foot of steep descent, 40 ft. below ridge, bears E. 50° W. and S. 50° E.
- Desc. gradually.
- 79.50 Old road, bears NW. and SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 13 ins. in the ground on solid rock bottom and surrounded by mound of stone, for cor. of secs. 28 and 29.. mkd. on brass cap
- T 7 S in NW.
R 1 " in NE.
S 28 in SE; and
S 29 in SW; quadrants; from which
A cedar, 5 ins. in dia., bears S. 16° 00' E., 312 lks. dist.. mkd. T 7 S R 1 W S 28 B T.
- No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous nearly level and rolling hills.
- Soil, sandy and clay loam; 2nd rate.
- Timber, cedar.
- Undergrowth, sage brush and Shadscale.
- Mountainous land, or land covered with dense undergrowth,
- 80.00 chs.

Subdivision of T. 7 S. R. 1 W. - Continued.

Chains	East on a random line along the N. side of Sec. 28.
40.00	Set temp. sec. cor.
79.96	Intersect the N. and S. line 7 lks. S. of the Cor. of Secs. 27 and 28.
	Thence 1 run
	S. 89° 57' W., on a true line along the N. side of Sec. 28
	Over mountainous land; through dense undergrowth.
	Asc.
5.00	Top of ridge, 20 ft. above sec. cor., bears N. and S.
	Desc.
9.00	Limestone ledge, 6 ft. high, bears N. and S.
11.00	Wash, 10 lks. wide, 3 ft. deep, course S. 20° E.
14.15	Bottom of hollow, 30 ft. below ridge, course SE.
	Asc.
25.75	Top of ridge, 60 ft. above hollow, bears N. and S. Desc.
	Enter scattering timber, bears N. and S.
33.30	Foot of descent, bears N. and S.
	Enter valley.
33.50	Wash, 50 lks. wide, 3 ft. deep, course S.
39.98	Set an iron post, 5 ft. long, 1 in. in dia., 26 ins. in the ground, for sec. cor. m'd. on brass cap $\frac{1}{2}$ in. N. half and S. 28 in S. half; from which
	A cedar, 6 ins. in dia., bears S. 80° E., 125 lks. dist. m'd. $\frac{1}{2}$ S. 28 B. T.
	Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
42.10	Wash, 10 lks. wide, 3 ft. deep, course S.
	Leave timber, bears N. and S.
53.10	Wash, 20 lks. wide, 3 ft. deep, course SE.
69.10	Wash, 60 lks. wide, 8 ft. deep, course SE., old road in bottom, bears NW. and SE.
	Asc, gently.
75.65	Wash, 10 lks. wide, 4 ft. deep, course SE.
79.96	Cor. of Secs. 28 and 29.

Subdivision of T.7 S., R.1 W. - Continued.

Chains

Land, mountainous.

Soil, clay and gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and shrub scales.

Mountainous land, or land covered with dense undergrowth,
79.96 ahs.

West on a true line along the N. side of Sec. 29.

Over rolling land; through scattering timber and dense
undergrowth.

Asc. gently.

0.50 Old road, bears N. and SE.

7.00 Leave scattering and enter heavy scrub timber, bears N.
and S.

20.00 Begin ascent of mountain, bears N. and SE.

28.00 Top of abrupt ascent, bears N. 20° W. and S. 20° E.

Asc. gently. This is N. edge of broad ridge.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for $\frac{1}{2}$ sec. cor. with brass cap $\frac{1}{2}$ in. N. half
and $\frac{1}{2}$ 29 in S half; from whichA cedar, 6 ins. in dia., bears S. 40° 30' E., 25 lks.
dist. mhd. $\frac{1}{2}$ S 20° E.Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.

44.00 West edge of broad ridge, bears N. and S.

Desc.

48.00 Head of hollow, 40 ft. below ridge, course S.

Asc.

56.80 Top of divide ridge, bet. Utah and Cedar valleys, bears N.
and S.

Subdivision of T. 7 S., R. 1 W. -Continued.

Chains Asc.

60.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for 1/16 sec. cor. .mkd. on brass cap 1/16 in N half and S 29 in S half; from which

A cedar, 14 ins. in dia., bears S. 86° 30' E., 40 lks. dist. .mkd. 1/16 S 29 B T.

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Leave heavy and enter scattering timber, bears N. and S.

68.50 Bottom of hollow, 150 ft. below ridge, course NW.

Asc.

77.70 Top of ridge, 0 ft. above hollow, bears NW. and SE.

Desc.

80.00 Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for 1/16 sec. cor. .mkd. on brass cap 1/16 in N half and S 29 in S half; from which

A cedar, 8 ins. in dia., bears S. 66° 40' E., 47 lks. dist. .mkd. 1/16 S 29 B T.

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

85.00 At 80 lks. N. of this point is the S. edge of an open cut, about 300 lks. long, and 1 ch. wide, bearing N. 80° E. and S. 80° W. This is apparently dug to prospect for kaolin or china clay.

88.45 Old road, bears NE. and SW., in bottom of hollow, 50 ft. below ridge, course SW.

Asc.

90.50 Top of ridge, 50 ft. above hollow, bears NE. and SW.

Desc.

92.50 Bottom of hollow, 20 ft. below ridge, course SW.

Asc.

94.50 Top of ridge, 30 ft. above hollow, bears NE. and SW.

Desc. gently. Leave timber, bears N. and S.

Subdivision of T.7 S., R.1 W. - Continued

Chains

- 100.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1/16 sec. cor. mkd. on brass cap 1/16 in N half and S 29° in S half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- 116.25 Entersect E. bdy. of Sec. 20 at point S. 1° 28' E., 19.38 chs. from the re-established cor. of secs. 19 and 30..
- Set an iron post, 3 f. long 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 20 and 29.. mkd. on brass cap

T 7 S S 30 in NW.

R 1 W S 20 in NE.

S 29 in SE; and

C C S 30 in SW; quadrants; and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

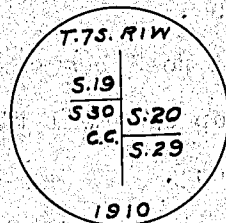
Land, mountainous and nearly level.

Soil, sandy and clay loam; 2nd rate.

Timber, cedar.

Undergrowth, sage and shadscales..

Mountainous, or heavily timbered land; 116.25 chs.



November 14, 1910.

November 15, 1910: At 7 h 45 m a.m., l.m.t., I set off 40° 12' N., on the lat. arc; 18° 18' S on the decl. arc; and determine a meridian with the solar, at the re-established cor. of secs. 17, 18, 19 and 20.

According to special instructions.

Thence I run a line bet. sec. 17 and 20.

East on a sectional correction line bet. secs. 17 and 20.

Chains	Over rolling mountainous land; through dense undergrowth. Asc. gently.
10.00	Top of small ridge, 30 ft. above sec. cor., bears N. 80° W. and S. 80° E. Desc.
13.80	Wash, 10 lks. wide, 10 ft. deep, in hollow, 20 ft. below ridge, course N. 60° W. Asc.
15.50	Old road, bears N. 60° W. and S. 60° E.
20.00	Top of small ridge, 30 ft. above hollow, bears N. and S. Desc.
31.65	Same old road, bears N. 85° E. and S. 85° W.
32.00	Bottom of hollow, 20 ft. below ridge, course S. 85° W. Asc.
38.00	Top of ridge, 30 ft. above hollow, bears N. and S. Asc. Enter scattering timber, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 17° in N and $\frac{1}{4}$ S 20° in S half; from which A cedar, 6 ins. in dia., bears N. 13° 10' E., 211 lks. dist. mkd. $\frac{1}{4}$ S 13° B T. A cedar, 12 ins. in dia., bears S. 0° 43' W., 371 lks. dist. mkd. $\frac{1}{4}$ S 20° B T.
41.90	Wash, 15 lks. wide, 3 ft. deep, in bottom of hollow, 20 ft. below ridge, course N. 60° W. Asc.
43.25	Same old road, bears N. 60° W. and S. 60° E.
44.75	Limestone ledge, 3 ft. high, bears N. and S.
52.50	Begin steeper ascent, bears N. and S.
60.25	Limestone ledge, 3 ft. high, bears N. and S.
65.50	Top of ridge, 150 ft. above hollow, bears N. and S. Desc.

Subdivision of T.7 S., R.1 W.-Continued.

Chains

72.30 Bottom of hollow, 100 ft. below ridge, course S.

Asc.

80.00 Point 150 ft. above hollow.

Set an iron post, 8 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21..mkd. on brass cap

T 7 S S 17 in NW.

R 1 W S 16 in NE.

S 21 in SE; and

S 20 in SW; quadrants; from which

A cedar, 4 ins. in dia., bears S. 23° 15' E., 137 lks. dist..mkd. " 7 S., R 1 W S 21 N W.

A cedar, 5 ins. in dia., bears S. 51° 05' W., 213 lks. dist..mkd. " 7 S R 1 W S 20 N E.

No other trees within limits; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling; mountainous

Soil, sandy and gravelly; loam; 2nd rate.

Timber, cedar,

Undergrowth, sage brush and shadscale.

Mountainous land, or land covered with dense undergrowth.

80.00 chs.

E. on a sectional correction line bet secs. 16 and 21.

Over rolling mountainous land; through dense undergrowth and scattering timber.

Asc.

7.40 Top of ridge, 50 ft. above sec. cor., bears N. and SW.

Desc.

12.25 Wash, 3 ft. deep, 30 lks. wide, in bottom of hollow, 60 ft below ridge, course S..

Subdivision of T. 7 S., R. 1 W., -C continued.

Chains

Asc.

19.50 Top of ridge, 50 ft. above hollow, bears N. and S.

Desc.

34.80 Wash, 30 lks. wide, 10 ft. deep, in bottom of hollow, 40 ft. below ridge, course SW.

Asc.

38.00 Old road, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 25 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 16 in N half and S 21 in S half; from whichA cedar, 5 ins. in dia., bears N. $26^{\circ}30'$ E., 300 lks. dist. mkd. $\frac{1}{4}$ S 16 B T.A cedar, 5 ins. in dia., bears S. $74^{\circ}00'$ E., 71 lks., dist. mkd. $\frac{1}{4}$ S 21 B T.And also raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

46.50 Top of ridge, 150 ft. above hollow, bears N. and S.

Desc.

51.70 Bottom of hollow, 80 ft. below ridge, course N.
Leave scattering cedar, bears N. and S.

Asc.

71.00 Top of ridge, 450 ft. above hollow, bears N. and S.

Desc.

76.00 Head of hollow, 40 ft. below ridge, course N.

Asc.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock bottom and surrounded by mound of stone for cor. of secs. 15, 16, 21 and 22. mkd. on brass cap

T 7 S S 16 in NW

R 1 W S 15 in NE.

S 22 in SE; and

S 21 in SW.; quadrants; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Subdivision of T.7 S. R.1 W. -Continued.

Chains	Land, rolling mountains. Soil, clay and gravelly; 2nd rate. Timber, cedar. Undergrowth, sage brush and shadescales... Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	East on a sectional correction line bet. secs. 15 and 22. Over mountainous rolling land; through dense undergrowth. Asc.
1.00	Top of ridge, 10 ft. above sec. cor., bears NE. and S. 20° W. Desc. gently.
5.00	Head of hollow, 40 ft. below ridge, course S. Asc.
9.40	Top of ridge, 50 ft. above hollow, bears N. and S. Desc.
14.10	Bottom of hollow, 20 ft. below ridge, course S. Asc.
25.00	Top of ridge, 60 ft. above hollow, bears NE. and SE. Desc.
26.50	Bottom of hollow, 10 ft. below ridge, course SW. Asc.
30.00	Top of ridge, 20 ft. above hollow, bears N. 70° W. and S. 30° E. Desc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1 sec. cor. mkd. on brass cap. S 15 in N half and S 22 in S half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
46.70	Bottom of hollow, 100 ft. below ridge, course N. 60° W. Asc.
49.00	Enter scattering timber, bears N. and S.

Submission of T.T.S. R.I.E. (Continued)

Chains

- 65.00 Top of ridge, 200 ft. above hollow, bears N. 25° E. and N. 25° W.
- Des. abruptly.
- 72.40 Bottom of Canon, 300 ft. below ridge, course S.
- Ass.
- 73.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for cor. of secs. 14, 15, 22 and 23. mkd. on brass cap

T 7 S S 15 in NW.
 R 1 W S 14 in NE.
 S 23 in SE; and
 S 22 in SW quadrants; from which
 A cedar, 14 ins. in dia., bears N. 52° E. 36 lks.
 Dist. mkd. T 7 S R 1 W S 14 B T.
 A cedar, 14 ins. in dia., bears S. 14° E. 30 lks.
 Dist. mkd. T 7 S R 1 W S 23 B T.
 A cedar, 4 ins. in dia., bears S. 62° 45' W. 68
 lks. dist. mkd. T 7 S R 1 W S 22 B T.
 A cedar, 10 ins. in dia., bears N. 44° 15' W. 53 lks.
 Dist. mkd. T 7 S R 1 W S 15 B T.

Land, rolling mountains.
 Soil, gravelly loam; 2nd rate.
 Timber, cedar,
 Undergrowth, sage brush.
 Mountainous lander land covered with dense undergrowth,
 40.00 obs.

November 15, 1910: At this cor. I set off 15° 24' S.,
 on the decl. arc; and at 11 h 45 m a.m., l.m.t., I observe
 the sun on the meridian, the resulting lat. is 40° 12' N.,
 which is the proper lat. nearly.

Subdivision of T.7 S., R.1 W.-Continued.

Chains	
	East on a sectional correction line bet. secs. 14 and 25. Over mountainous land; through scattering timber and dense undergrowth. Asc. abruptly.
3.30	Top of ledge, 8 ft. high, on rocky ridge, 100 ft. above sec. cor., bears N. and S. Desc.
7.00	Head of hollow, 80 ft. below ridge, course S. Asc.
11.00	Top of ridge, 40 ft. above hollow, bears NW. and SE. Desc.
18.00	Bottom of hollow, 250 ft. below ridge, course SE. Asc.
22.00	Top of ridge, 30 ft. above hollow, bears N. 20° W. and S. 20° E. Desc.
27.80	Bottom of hollow, 50 ft. below ridge, course S. Asc.
36.70	Top of ridge, 80 ft. above hollow, bears N. and S. Desc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 14 in W half and $\frac{1}{2}$ 23 in S half; from which A cedar, 14 ins. in dia., bears N. 23° 00' W., 33 lks. dist. mkd. $\frac{1}{4}$ S 14 B T. A cedar, 16 ins. in dia., bears S. 41° 30' E., 3 lks. dist. mkd. $\frac{1}{4}$ S 23 B T. And also raise amount of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
48.80	Bottom of hollow, 200 ft. below ridge, course S. Asc.
57.70	Top of ridge, 200 ft. above hollow, bears N. 20° W. and S. Desc.
58.00	Leave scattering timber, bears N. 20° W. and S.

Subdivision of T. 7 S. R. 1 W. S. 14

S. 14

Chains

- 67.25 Bottom of canon, 400 ft. below ridge, course $N. 20^{\circ} E.$
Asc.
- 73.50 Enter scattering timber, bears N. and S.
- 78.00 Top of ridge, 400 ft. above canon, bears N. and S.
Desc.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in
the ground, on solid rock bottom and surrounded by
mound of stone, for cor. of secs. 13, 14, 23 and 24..mkd. on
brass cap

T 7 S S 14 in NW.

R 1 W S 13 in NE.

S 24 in SE; and

S 23 in SW, quadrants; from which

A cedar, 14 ins. in dia., bears $N. 28^{\circ} 00' E.$, 205
lks. dist..mkd. T 7 S R 1 W S 13 B T.

A cedar, 14 ins. in dia., bears $S. 10^{\circ} 15' E.$, 110
lks. dist..mkd. T. 7. S R 1 W S 24 B T.

A cedar, 7 ins. in dia., bears $S. 4^{\circ} 15' W.$, 226
lks. dist..mkd. T 7 S R 1 W S 23 B T.

A cedar, 10 ins. in dia., bears $N. 31^{\circ} 25' W.$, 173
lks. dist..mkd. T 7 S R 1 W S 14 B T

Land, mountainous.

Soil, gravelly; 2nd rot.

Timber, cedar.

Undergrowth, sage brush.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

East on a sectional correction line bet. secs. 13 and 24.

Subdivision of T. 7 S., R. 1 W. -Continued.

Chains	
	Over mountainous land; through scattering timber and dense undergrowth.
	Desc. abruptly.
15.00	Foot of abrupt descent, edge of valley, bears N. and S.
	Desc. gradually. Leave scattering timber, bears N. and S.
16.80	Wash, 30 lks. wide, 4 ft. deep, course SE.
18.80	Small ridge, 20 ft. high, bears NW and SE.
	Desc. gently,
30.00	Wash, 10 lks. wide, 3 ft. deep, in bottom of swale, course S.
	Asc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for $\frac{1}{4}$ sec. cor. mkd. on brass cap, S 13 in N half and S 24 in S half; and raise a mound of stone, 2 ft. base, 12 ft. high, E. of cor.
41.70	Top of low ridge, 30 ft. above swale, bears N. and S.
	Desc.
47.60	Wire fence, bears N. and S., enter enclosure owned by J. Eugene Huish.
67.00	Mr. Huish house is about 14 chs. S. of this point.
68.40	Wire fence, bears N. and S.
	Leave enclosure.
83.50	Utah County road, bears NE. and SW.
87.20	Wash, 30 lks. wide, 8 ft. deep, course S. 70° E.
	Asc.
88.30	Telephone line from Lodi to Mosida, bears N. 41° E. and S. 41° 30' W.
105.22	Wire fence, bears N. 8° 50' E. and S. 8° 50' W. Enter enclosure claimed by J. W. Bates.
105.27	Intersect T. bdy. of T. or Salt Lake Meridian, at point 312 lks. N. of cor. of frac. l. secs. 13 and 19, heretofore desc. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 13 and 24, mkd. on brass cap

Chains

T 7 S in N half

S 13 in NW.

C C S 18 in NE.

R 1 E S 19 in SE; and

R 1 W S 24 in SW, quadrants; and raise amount of

stone, 2½ ft. base, 2 ft. high, W. of cor..

Land, mountainous and nearly level.

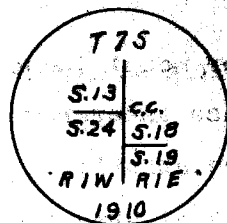
Soil, clay and clay loam; 2nd rate.

Timber, cedar.

Undergrowth, sage and shadescale.

Mountainous land or land covered with dense undergrowth

105.27 chs.



November 15, 1910.

November 16, 1910: At 7 h 45 m a.m., l.m.t., I set off 40°12' N., on the lat. arc; 18°33' S., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

Thence I run

S. 0°1' E., on a true line bet. secs. 23 and 24.

Over mountainous land; through scattering timber and dense undergrowth.

Desc.

3.00 Top of ridge, 20 ft. below sec. cor., bears EW. and S. 20° E.

Desc. along W. side of hollow.

18.00 Bottom of hollow, 300 ft. below ridge, course S. 20° W.

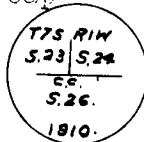
Asc.

21.80 Wash from same hollow, 20 lks. wide, 3 ft. deep, course

S. 30° E.

Subdivision of T. 7 S. R. 1 W. - Continued.

- Chains
- 24.80 Leave scattering timber, bears E. and W.
Wash, 30 lks. wide, 5 ft. deep, course S. 50° E.
Edge of valley, bears N. 50° W. and S. 50° E., thence over rolling ground.
- 40.00 Top of low ridge, bears E. and W.
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 23 in W Half and S 24 in E half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 58.60 Wash, 30 lks. wide, 3 ft. deep, course E.
- 61.20 Old road, bears N. 80° E. and S. 80° W.
- 79.90 Wash, 10 lks. wide, 3 ft. deep, course S. 80° E.
- 98.80 Wash, 20 lks. wide, 4 ft. deep, course S. 55° E.
- 100.06 Intersect E. and W. line on N. side of Sec. 26, at point N. 89° 56' E., 3.32 chs. from $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground, on solid rock bottom and surrounded by mound of stone for closing cor. of Secs. 23 and 24. mkd. on brass cap
T 7 S S 23 in NW.
R 1 W S 24 in NE; and
C C S 26 in SW, quadrants; and raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.
Land, mountainous and nearly level.
Soil, gravelly and clay loam; 2nd rate.
Timber, cedar.
Undergrowth, sage brush and shade tree.
Mountainous land, or land covered with dense undergrowth,
100.06 chs.



From cor. of secs. 13, 14, 23 and 24.

I run

Subdivision of T. 8 S., R. 1 W. -Continued.

Chains

N. 0° 01' W., bet. secs. 13 and 14.

Over mountainous land; through scattering timber and dense undergrowth.

Ascend gently along E. side of top of ridge, varying from 1 to 3 chs. from top of ridge.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 14 in W half and S 13 in E half; and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

51.00 Top of ridge, 300 ft. above sec. cor., bears N. W. and S. E. and S. 1° W.

Desc.

62.50 Head of hollow, 150 ft. below ridge, course NE.

Asc.

65.20 Top of ridge, 50 ft. above hollow, bears E. and W.

Desc.

70.50 Bottom of hollow, 40 ft. below ridge, course E.

Asc.

75.30 Top of ridge, 30 ft. above hollow, bears E. and W.

Desc.

79.00 Bottom of canon, 100 ft. below ridge, course S. 70° E.

This is junction of two hollows, one from S. 70° W. and the other one from N. 20° W.

Asc. abruptly.

80.00 Set an iron post, 3 ft. long, 2 in. in dia., 12 ins. in the ground on solid rock bottom and surrounded by mound of stone for cor. of secs. 11, 12, 13 and 14. mkd. on brass cap

T 7 S S 11 in NW.

R 1 W S 12 in NE.

S 13 in SE; and

S 14 in SW, quadrants; from which

A cedar, 8 ins. in dia., bears N. 61° 30' E., 114

Subdivision of T.7 S. R.1 W. -Continued.

Chains

lks.dist..mkd. T 7 S R 1 W S 12 B T.

A cedar, 10 ins. in dia., bears S. 11°30'E. 130

lks.dist..mkd. T 7 S R 1 W S 13 B T.

A cedar, 8 ins. in dia., bears S. 41°00'W., 85 lks.

dist..mkd. T 7 S R 1 W S 14 B T.

A cedar, 10 ins. in dia., bears N. 21°00'W., 36 lks.

dist..mkd. T 7 S R 1 W S 11 B T.

Land, mountainous.

Soi, gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and mahogany.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

November 16, 1910: At this cor. I set off 18°39'S., on the
the decl. arc; and at 11 h 45 m a.m., l.m.t., I observe
the sun on the meridian, the resulting lat. is
40°13'N., which is the proper lat. nearly.

East on a true line bet. secs. 12 and 13.

Over mountainous land; through scattering timber and
dense undergrowth.

Asc.

2.00 Top of ridge, 40 ft. above sec. cor., bears N. and S.

Desc.

3.80 Bottom of hollow, 50 ft. below ridge, course S.

Asc.

6.80 Top of ridge, 100 ft. above hollow, bears N. and S.

Desc.

7.50 Old trail, bears N. and S.

10.50 Bottom of hollow, 100 ft. below ridge, course S.

Old drag road in bottom, bears N. and S.

44
31
Subdivision of T. 2 N. R. 3 E. 3. Continued.

Chains		enlad3
	Asc.	
13.20	Top of spur, 20 ft. above hollow, bears N. and S.	
	Desc.	
16.90	Bottom of hollow, 20 ft. below ridge, course S.	
	Asc.	
20.00	Top of ridge, 30 ft. above hollow, bears N. and S.	
	Desc.	
25.50	Bottom of hollow, 50 ft. below ridge, course S.	
	Asc.	
30.00	Top of ridge, 50 ft. above hollow, bears N. and S.	
	Leave timber, bears N. and S. Desc.	
40.00	Set an iron post, 3 ft. long, 2 in. dia., 26 ins. in the ground, for sec. cor. mkd. on brass cap $\frac{1}{2}$ S 12 in N half and S 13 in S half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.	
45.00	Foot of steep descent, enter valley, bears N. and S.	
	Thence over rolling land.	
	Desc. gently.	
71.50	Wash, 30 lks. wide, 4 ft. deep, course SE.	
76.60	Old road, bears N. 20° W. and S. 20° E.	
78.40	Wash, 20 lks. wide, 5 ft. deep, course SE.	
	Asc. gently. Over rolling ground.	
80.20	Old road, bears N. 30° W. and S. 30° E.	
87.50	Limestone ledge, 3 ft. high, bears N. and S.	
92.00	Head of swale, 20 ft. deep, course S.	
	Asc. gently.	
95.30	Top of ledge, and small ridge, 20 ft. above swale, bears N. and S.	
	Desc.	
95.40	Top of sloping ledge, bears N. and S.	
96.30	Foot of same ledge, bears N. and S.	
105.31	Intersect E. bdy. of Tp. or Salt Lake Meridian, at point 3.06 chs. N. of the cor. of frac. sec. 7 and 18, heretofore described.	

Subdivision of T. 7 S., R. 1 W. -Continued.

Chains

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 12 and 13. mkd. on brass cap

T 7 S in N half;

S 12 in NW.

C C S 7 in NE.

R 1 E S 18 in SE; and

R 1 W S 13 in SW; quadrants; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

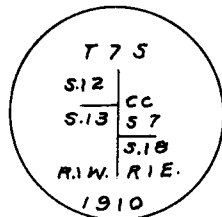
Land, mountainous and nearly level.

Soil, gravelly and clay loam; 2nd rate.

Undergrowth, sage brush and shade scale.

Timber, cedar.

Mountainous land or land covered with dense undergrowth, 105.31 chs.



November 16, 1910.

November 17, 1910: At 7 h 45 m a.m., l.m.t., I set off 40°13'N., on the lat. arc; 18°48'S., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.

Thence I run

N. 0°01'W., bet. sec. 11 and 12.

Over mountainous land; through scattering timber and dense undergrowth.

Asc. abruptly.

29.50 Old drag road and trail, on top of ridge, 700 ft. above sec. cor., bears N. 70°W. and S. 70°E.

Subdivision of T. 7 S. R. 1 E. W. - Continued.

Chains

Standard

Desc.

31.75 Begin abrupt descent over ledges, bears N. 70° W. and S. 70° E.

40.00 Set an iron post, 3 ft. long, 1 ins. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 12 in W half and S 12 in E half; from which

A cedar, 8 ins. in dia., bears N. 86° 15' E., 48 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.

A cedar, 8 ins. in dia., bears S. 72° 00' W., 37 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.

44.75 Bottom of canon, 450 ft. below ridge, course E.

Asc.

55.00 Top of ridge, 150 ft. above hollow, bears N. 80° W. and S. 80° E.

Desc.

59.00 Bottom of canon, 100 ft. below ridge, course S. 60° E.

Ascend abruptly.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12. mkd. on brass cap

T 7 S S 2 in NW .

R 1 W S 1 in NE.

S 12 in SE; and

S 11 in SW, quadrants; from which

A cedar, 10 ins. in dia., bears N. 70° 00' E., 92 lks. dist. mkd. T 7 S R 1 W S 1 B T.

A cedar, 12 ins. in dia., bears S. 34° 15' E., 54 lks. dist. mkd. T 7 S R 1 W S 12 B T.

A cedar, 8 ins. in dia., bears S. 41° 00' W., 59 lks. dist. mkd. T 7 S R 1 W S 11 B T.

A cedar, 8 ins. in dia., N. 22° 00' E., 131 lks. dist. mkd. T 7 S R 1 W S 2 B T.

Land, mountainous.

Subdivision of T.7 S., R.1 E.-Continued.

Chains

Soil, gravelly and clay loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and shadescale.

Mountainous land, or land covered with dense undergrowth.

80.00 chs.

East on a true line bet. secs. 1 and 12.

Over mountainous land, through heavy scrub cedar timber.
Asc.

1.30 Top of ridge, 20 ft. above sec. cor., bears N. 5° W. and S.
20° E.

Desc. abruptly.

38.00 Foot of steep descent, bears N. and S.

Enter valley, bears N. and S.

Leave heavy timber and enter scattering timber and
enter dense undergrowth, bears N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 1 in N
half and S 12 in S half; from which

A cedar, 4 ins. in dia., bear N. 10° 00' W., 25 lks
dist. mkd. $\frac{1}{4}$ S 1 B T.

A cedar, 4 ins. in dia., bears S. 6° 15' W., 45 lks.
dist. mkd. $\frac{1}{4}$ S 12 B T.

48.80 Wash, 20 lks. wide, 4 ft. deep, course SE.

55.30 Wash, 50 lks. wide, 4 ft. deep, course S.

Leave valley, N. and S. Asc.

55.50 Old road bears N. and S.

66.50 Top of ridge, 150 ft. above hollow, bears N. and S.

Desc.

77.00 Bottom of hollow, 150 ft. below ridge, course SE.

Subdivision of T.7 S., R.1 W. -Continued

Chains

continued

Asc. gently..

87.20 Top of ridge, 20 ft. above hollow, bears NW. and SE.

Old road on top, bears NW. and SE.

Desc.

89.50 Bottom of hollow, 30 ft. below ridge, course S. E. Asc.

Leave scattering timber, bears N. and S.

91.00 Top of ridge, 20 ft. above hollow, bears NW. and SE.

Desc. gently.

102.00 Bottom of hollow, 20 ft. below ridge, course S.

Asc.

105.34 Intersect E. bdy. of Tp. or Salt Lake Meridian, at point
 3.03 chs. N. of the cor. of frac. sec. 7, heretofore described.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground for closing cor. of Secs. 1 and 12. mk'd. on brass
 cap

T 7 S in E half

S 1 in NW.

C.C.S 6 in NE.

R1 E S 7 in SE; and

R 1 W S 12 in SW, quadrants; and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous and nearly level.

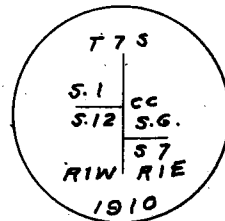
Soil, sandy clay and gravelly loam; 2nd rate,

Timber, cedar.

Undergrowth, sage brush.

Mountainous, or heavily timbered land, or land covered
 with dense undergrowth, 105.34 chs.

November 17, 1910: At this cor. I set off $18^{\circ}54'S.$, on the
 decl. arc; and at 11 h 46 m a.m., l.m.t., I observe the
 sun on the meridian, the resulting lat. is $40^{\circ}14'N.$,
 which is the proper lat. nearly.



Subdivision of T. 7 S., R. 1 W.-Continued.

Chains.	North on a random line bet.secs.1 and 2,
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.62	Fall 42 lks.W.of the cor.of.secs.1,2,35, and 36 on the W.bdy.of Tp.heretofore described. Thence I run S.0° 18'W.on a true line bet.secs.1 and 2, Over mountainous land; through scattering timber and dense undergrowth. Desc.
6.80	Old drag road, bears E. and W.
7.30	Bottom of canon, 100 ft.below sec.cor., course E. Asc.
11.00	Top of ridge, 100 ft.above hollow, bears E. and W. Desc.
15.60	Bottom of canon, 100 ft.below ridge, course N.70° E. Ascend.
25 .50	Top of ridge, 400 ft.above canon, bears E. and W. Desc.abruptly over ledges.
40.62	Point 400 ft.below ridge, Set an iron post 3 ft.long, 1 in.in dia., 12 ins.in the ground, on solid rock bottom, and surrounded by mound of stone, for $\frac{1}{4}$ sec.cor., mkd.on brass cap $\frac{1}{4}$ S 2 in W.half and S 1 in E.half; from which A cedar 12 ins.in dia., bears S.42° 15'E. 42 lks.dist., mkd. $\frac{1}{4}$ S 1 E T A cedar 14 ins.in dia., bears N.67° 00'W. 64 lks.dist., mkd. $\frac{1}{4}$ S 2 E T From this $\frac{1}{4}$ sec.cor.Cor.No.2-2, Colombia and Moonstone claim, Sur.No.3196, which is a cedar post 6 ins.sq., projecting 2 ft.above mound of stone, scribed 2-3196, 2-3196, bears S.49° 12'E. 21.90 chs.. dist.
44.00	Leave ledges, bear E.and W.
50.70	Bottom of canon, 880 ft.below ridge, course S.80° E. Asc..
54.45	Top of ridge, 100 ft.above canon, bears N.80° E. and S. 80° W.. Desc.

Subdivision of T. 1 N. 3. E. R. 1. E. Contained.

Chains.

56.30 Bottom of canon, 40 ft. below ridge, course $S. 60^{\circ} E. 60.00$
Asc. abruptly over ledges.

71.00 Top of ridge, 700 ft. above hollow, bears $N. 70^{\circ} W.$ and
 $S. 70^{\circ} E.$

Descend.

80.62 The cor. of secs. 1, 2, 11, and 12.

Land, mountainous.

Soil, gravelly loam and rocky, 2d and 4th rates.

Timber, cedar.

Undergrowth, sagebrush.

Mountainous land 80.62 chs.

November 17, 1910.

November 18, 1910: At 7 h. 45 m. a. m. l. m. t., I set off
 $40^{\circ} 12' N.$ on the lat. arc; $19^{\circ} 03' S.$ on the decl. arc; and
determine a meridian with the solar at the cor. of secs.
14, 15, 22, and 23.

Thence I run

$S. 0^{\circ} 2' E.$ on a true line bet. secs. 22 and 23,
Over mountainous land; through heavy timber and scatter-
ing undergrowth.

Desc. abruptly along E. side of canon.

8.00 Bottom of rocky canon, 200 ft. below sec. cor., course $SE.$
Ascend.

25.50 Top of ridge, 100 ft. above hollow, bears $N. 60^{\circ} W.$ and $S.$
 $60^{\circ} E.$ after 5.00 chs. southeasterly bears $S. 20^{\circ} E.$

Desc.

34.00 Leave heavy and enter scattering timber, bears $E.$ and $W.$

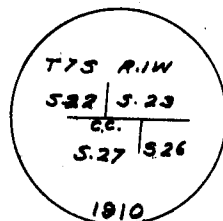
38.40 Bottom of hollow, 400 ft. below ridge, course $S. 10^{\circ} W.$

Continue descent along side of hollow to get

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the

Subdivision of T. V. S. R. L. W. - Cont.

- Chains
ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 22 in W half
and S 23 in E half; from which
- A cedar, 6 ins. in dia., bears N. 63° 45' E., 200
lks. dist. mkd. $\frac{1}{4}$ S 23 B T.
- A cedar, 4 ins. in dia., bears N. 74° 50' W., 295
lks. dist. mkd. $\frac{1}{4}$ S 22 B T.
- Leave scattering timber, bears E. and W.
- 42.25 Limestone ledge, 3 ft. high, bears E. and W.
- 43.40 Bottom of same hollow, 20 ft. below $\frac{1}{4}$ sec. cor., course SE.
Asc.
- 52.00 Top of ridge, 80 ft. above hollow, bears N. 70° W. and E.
70° E.
Asc.
- 58.00 Bottom of hollow, 100 ft. below ridge, course E.
Asc.
- 72.00 Top of ridge, 200 ft. above hollow, bears E. and W.
Desc.
- Enter scattering timber, bears E. and W.
- 82.20 Bottom of hollow, 20 ft. below ridge, course S. 80° W.
Asc.
- 94.50 Top of ridge, 50 ft. above hollow, bears E. and W.
Desc.
- 100.18 Intersect N. side of Sec. 27 at point N. 89° 56' E., 3.14
chs. from the $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.
in the ground for closing corner of secs. 22 and 23. mkd.
on brass cap
- T 7 S S 22 in NW.
R 1 W S 23 in NE.
S 20 in SE; and
S 27 in SW, quadrants; from which
A cedar, 6 ins. in dia., bears N. 69° 20' E., 152 lks.
dist. mkd. T 7 S R 1 W S 23 B T.
A cedar, 8 ins. in dia., bears N. 10° 30' W., 299 lks.



Subdivision of T. 7 S. R. 1 E. - Continued.

Chains

patent

Mkd. T 7 S R 1 E S 22 B T.

Also raise a mound of stone, 2 ft. base, 1½ ft.

high, N. of cor.

Land, mountainous.

Soil, clay and gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush.

Mountainous or heavily timbered land, 100.18 chs.

November 18, 1910: At the cor. of secs. 14, 15, 2 and 23,
I set off 19°08'E., on the decl. arc; and at 11 h
45 a.m., l.m.t., I observe the sun on the meridian
the resulting lat. is 40°12'N., which is the proper
lat./nearly/

Thence I run

N. 0°02'W., bet. secs. 14 and 15.

Over mountainous land; through scattering timber and
scattering undergrowth.

Asc. along N. side of canon.

33.00 Top of ridge, 400 ft. above the sec. cor., bears N. and W.
Desc.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the
ground, on solid rock bottom and surrounded by mound
of stone, for ¼ sec. cor. mkd. on brass cap ¼ S 15 in
W half and S 14 in W half; from which

A cedar, 5 ins. in dia., bears N. 35°30'E., 16 lks.
dist. mkd. ¼ S 14 B T.

A cedar, 10 in. in dia., bears N. 81°30'W., 83
lks. dist. mkd. ¼ S 15 B T.

Subdivision of T.7 S., R.1 E., -Continued.

Chains

- 43.20 Bottom of hollow, 250 ft. below ridge, course N. 70° E.
Asc.
- 48.00 Top of ridge, 100 ft. above hollow, bears E. and W.
Desc.
- 50.90 Bottom of hollow, 40 ft. below ridge, course S. 80° W.
Asc.
- 57.00 Top of ridge, 200 ft. above hollow, bears N. 80° W. and
S. 80° E.
Desc.
- 63.20 Bottom of hollow, 100 ft. below ridge, course E.
Asc.
- 74.00 Top of ridge, 100 ft. above hollow, bears N. 20° E. and S.
20° W.
Continue ascent.
- 80.00 Point 60 ft. above ridge,
Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
ground for cor. of secs. 10, 11, 14 and 15. Nkd. on brass
cap
- T 7 S S 10 in NW.
R 1 W S 11 in SE.
S 14 in SE; and
S 15 in SW, quadrants; from which
A cedar, 5 ins. in dia., bears N. 33° 30' E., 135 lks.
dist..mkd. T 7 S R 1 W S 11 B T.
A cedar, 6 ins. in dia., bears N. 82° 00' E., 101
lks. dist..mkd. T 7 S R 1 W S 14 B T.
A cedar, 4 ins. in dia., bears S. 14° 00' W., 74 lks.
dist..mkd. T 7 S R 1 W S 15 B T.
A cedar, 5 ins. in dia., bears N. 61° 00' W., 129 lks.
dist..mkd. T 7 S R 1 W S 10 B T.
And also raise a mound of stone, 3 ft. base, 2 ft.
high, W. of cor.
Land, mountainous.
Soil, gravelly loam; 2nd rate.
Timber, cedar.

Chains

Undergrowth, sage brush.
Mountainous land, 80.00 chs.

East on a random line bet. secs. 11 and 14.

40.00 Set temp. sec. cor.

72.24 Intersect N. and S. line at the cor. of secs. 11, 12, 13 and 14.

Thence I run

West on a true line bet. secs. 11 and 14.

Over mountainous land; through scattering timber and scattering undergrowth.

Desc. abruptly.

0.25 Bottom of canon, 10 ft. below sec. cor., course S. 20° W.
Asc. abruptly.

20.20 Top of ridge, 800 ft. above canon, bears N. and S.
Old drag road on top, bears N. and S.
Desc.

39.97 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for sec. cor. mkd. on brass cap 1/2 S 11 in N half and S 14 in S half; from which

A cedar, 5 ins. in dia., bears N. 52° 45' E. 111
lks. dist. mkd. 1/2 S 11 N E.

A cedar, 4 ins. in dia., bears S. 10° 00' E. 100
lks. dist. mkd. 1/2 S 14 N E.

43.50 Bottom of hollow, 200 ft. below ridge, course S. 20° W.
Asc.

46.50 Top of ridge, 150 ft. above hollow, bears N. 20° W. and
S. 20° E.
Desc.

50.40 Head of hollow, 30 ft. below ridge, course S. 20° W.
Asc.

Subdivision of T.7. S. R.1 W.-Continued.

Chains

57.00 Top of ridge, 30 ft. above hollow, bears N. and S.

Desc.

62.50 Bottom of hollow, 100 ft. below ridge, course S.

Asc.

77.00 Top of ridge, 200 ft. above hollow, bears N. 20° E.
and S. 20° W.

Desc.

89.94 The cor. of secs. 10, 11, 14 and 15.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

timber, cedar.

Undergrowth, sage brush.

Mountainous land, 79.94 chs.

November 18, 1910.

November 19, 1910: At 7 h 45 m a.m., l.m.t., I set off
40° 13' N., on the line of 19° 17' S., on the decl. arc; and
determine a meridian with the solar at the cor. of secs.
10, 11, 14 and 15.

Thence I run

N. 0° 02' W. bet. secs. 10 and 11.

Over mountainous land through heavy timber and scatter-
ing undergrowth.

Asc.

20.00 Top of divide ridge, bet. Utah and Cedar valleys, 200 ft
above sec. cor., bears E. and W. at this point.

Desc. gently.

Leave heavy and enter scattering timber, bears E. and W.

Chians

- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 10 in W half and S 11 in E half; from which
- A cedar, 6 ins. in dia., bears N. 78° 30' E., 105 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.
- A cedar, 5 ins. in dia., bears S. 71° 00' W., 44 lks. dist. mkd. $\frac{1}{4}$ S 10 B T.
- 45.00 Head of hollow, 80 ft. below ridge, course N. 70° W.
Asc.
- 55.00 Top of ridge, 60 ft. above hollow, bears N. 80° W. and S. 80° E.
Desc.
- 67.00 Bottom of hollow, 50 ft. below ridge, course S. 70° W.
Asc.
- 73.00 Top of ridge, 100 ft. above hollow, bears N. 80° E. and S. 80° W.
Desc.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock bottom and surrounded by mound of stone, for cor. of secs. 2, 5, 10 and 11 mkd. on brass cap
- T 7 S S 3 in N.
- R 1 W S 2 in NE.
- S 11 in SE; and
- S 10 in SW, quadrants; from which
- A cedar, 5 ins. in dia., bears N. 24° 15' E., 82 lks. dist. mkd. T 7 S R 1 W S 2 B T.
- A cedar, 8 ins. in dia., bears S. 77° 00' E., 59 lks. dist. mkd. T 7 S R 1 W S 11 B T.
- A cedar, 6 ins. in dia., bears S. 27° 45' W., 99 lks. dist. mkd. T 7 S R 1 W S 10 B T.
- A cedar, 8 ins. in dia., bears N. 69° 00' W., 149 lks. dist. mkd. T 7 S R 1 W S 3 B T.

Subdivision of T. 2 S., R. 11 W., continued.

Land, mountainous.

Soil, gravelly; 2nd rate.

Timber, cedar,

Undergrowth, sage brush.

Mountainous or heavily timbered land, 80.00 acs.

East on a random line bet. secs. 2 and 11

40.00 Set to p. 1 sec. cor.

80.00 Intersect N. and S. line 5 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence I run

N. 89° 58' W., on a true line bet. secs. 2 and 11.

Over mountainous land; through scattering timber and dense undergrowth.

Desc.

22.86 Bottom of canon, 250 ft. below sec. cor., course S.

Asc.

35.00 Top of ridge, 200 ft. above canon, bears NW. and SE.

Desc. gently.

32.00 Head of hollow, 10 ft. below ridge, course S.

Asc.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 25 ins. in the ground for $\frac{1}{2}$ sec. cor. mkd. on brass cap $\frac{1}{2}$ S 2' in N half and S 11' in S half; from which

A cedar, 6 ins. in dia., bears N. 20° 30' W., 35 lks. dist. mkd. $\frac{1}{2}$ S 2' N T.

A cedar, 8 ins. in dia., bears S. 51° 30' W., 65 lks. dist. mkd. $\frac{1}{2}$ S 11' N T.

63.00 Top of divide ridge, bet. Utah and Cedar valleys, 400 ft. above hollow, bears N. 20° E. and S. 10° W.

Subdivision of T.7 S., R.1 W., -Continued.

Chains	
80.00	Cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, gravelly; 2nd rate. Timber, cedar. Undergrowth, sage brush. Mountainous, or heavily timbered land, 80.00 chs. November 19, 1910: At this cor. I set off $19^{\circ}23'S.$, on the decl. arc; 11 h 45 m a.m., l.m.t., I observe the sun on the meridian the resulting lat. is $40^{\circ}14'N.$, which is the proper lat. nearly.
	$N. 0^{\circ}2'W.$, on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.52	Intersect N. bdy. of Tp. 49 lks. W. of the cor. of secs. 2, 3, 31 and 35, heretofore described. Thence I run $S. 0^{\circ}19'W.$, on a true line bet. secs. 2 and 3. Over mountainous land; through dense undergrowth. Desc. gently.
14.50	Begin steep descent, bears N. $70^{\circ}E.$ and S. $70^{\circ}W.$
22.30	Bottom of hollow, 300 ft. below sec. cor., course S. $70^{\circ}W.$ Asc.
33.00	Top of ridge, (rocky), 300 ft. above hollow, bears E. and W. Desc. abruptly. Enter scattering timber, bears E. and W.
40.52	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 3 in W half and S 2 in E half; from which A cedar, 6 ins. in dia., bears S. $21^{\circ}25'W.$, 157 lks. dist., mkd. $\frac{1}{4}$ S 3 B T. No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T. 7 S., R. 1 W. - Continued.

Chains	
47.70	Bottom of hollow, 400 ft. below ridge, course S. 70° W. Note: - There is a low divide in the main ridge about 12 chs. easterly from here Asc.
58.00	Top of ridge, 190 ft. above hollow, bears E. and W. Desc.
69.00	Bottom of hollow, 150 ft. below ridge, course S. 80° W. Asc.
71.00	Top of ridge, 50 ft. above hollow, bears E. 70° S. And S. 70° W. Desc.
73.00	Bottom of hollow, 100 ft. below ridge, course S. 60° W. Asc.
80.52	Cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, gravelly loam; undergrowth. Timber, cedar. Undergrowth, sage brush. Mountainous land, or land covered with dense undergrowth. 33.52 chs.

November 18, 1910.

November 21, 1910: At 7 h. 46 m. a.m., l.m.t., I set off 40° 12' N., on the lat. arc; 12° 45' S., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15, 16, 21 and 22.

Thence I run

S. 0° 02' E., on a true line bet. secs. 21 and 22.

Over mountainous land; through dense undergrowth.

Subdivision of T. T. S. R. L. L. Continued.

- Chains Ascent gently.
- 3.00 Top of ridge, 20 ft. above sec. cor., bears N. 20° E. and
Desc.
- 17.20 Bottom of hollow, 200 ft. below ridge, course S.
Asc.
- 21.00 Top of ridge, 30 ft. above hollow, bears S. 80° E. and S. 80° W.
Desc.
- 27.00 Bottom of hollow, 50 ft. below ridge, course W.
Asc.
- 30.00 Top of ridge, 50 ft. above hollow, bears N. 80° W. and
S. 80° E.
Enter scattering timber, bears E. and W.
Desc.
- 33.00 Bottom of hollow, 150 ft. below ridge, course W.
Asc.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 2½ ins. in the
ground for sec. cor. mkd. on brass cap ¼ S 21 in W
Ea f an S 22 in E half; from which
A cedar, 6 ins. in dia., bears N. 50° 30' E., 110
lks. dist. mkd. ¼ S 21 B T.
A cedar, 1½ ins. in dia., bears S. 3° 30' W., 300 lks.
dist. mkd. ¼ S 22 B T.
And also raise a mound of stone, 2 ft. base, 1½
ft. high W. of cor.
- 45.00 Top of ridge, 30 ft. above hollow, bears E. and W.
Desc.
- 50.00 Note: From this point a patent mineral survey post marked
4- 5888, bears S. 62° 08' E., 290 lks. dist.
- 54.00 Bottom of hollow, 50 ft. below ridge, course W.
Asc.
- 51.00 Top of ridge, 40 ft. above hollow, bears E. and W.
Desc abruptly.
- 65.00 Botto of canon, 400 ft. below ridge, course S. 60° E.
Old road in bottom, bears N. 60° W. and S. 60° E.
Asc. abruptly.
- 72.00 Top of rocky ridge, 400 ft. above hollow, bears S. 70° W.

Subdivision of T. 7 S., R. 1 W. - Continued.

Chains and S. 70° E.

Desc.

96.00 Foot of descent, 500 ft. below ridge, enter valley, bears E. and W.

100.32 Intersect N. side of Sec. 28 at point N. 89° 57' E., 3.18 chs. from $\frac{1}{2}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock bottom and surrounded by mound of stone, for closing cor. of secs. 21 and 22.. mkd. on brass cap

T 7 S S 21 in NW.

R 1 W S 22 in NE.

S 27 in SW; and

S 28 in SW, quadrants; from which

A cedar, 5 ins. in dia., bears N. 45° 30' E., 286 lks. dist. mkd. T 7 S R 1 W S 22 P.T.

A cedar, 6 ins. in dia., bears N. 46° 35' W., 232 lks. dist. mkd. T 7 S R 1 W S 21 P.T.

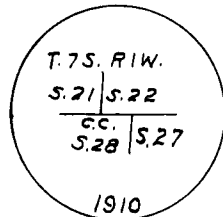
Land, mountainous

Soil, gravelly loam; Sandstone.

Timber, cedar,

Undergrowth, sage brush,

Mountainous land, or land covered with dense undergrowth, 100.32 chs.



November 21 1910: At the cor. of secs. 15, 16, 21 and 22, I set off 19° 50' S., on the decl. arc; and at 11 h 46 m a.m., a.m.t., I observe the sun on the meridian, the resulting lat. is 40° 12' N., which is the proper lat. nearly.

Thence I run

N. 0° 02' W., bet. secs. 15 and 16.

Subdivision of T.7 S. R.1 W. -Continued.

Chains	Over mountainous land; through dense undergrowth. Desc. abruptly.
8.80	Bottom of hollow, 150 ft. below sec. cor., course W. Asc.
16.50	Top of ridge, 100 ft. above hollow, bears E. and W. Desc.
20.00	Enter scattering timber, bears E. and W.
29.60	Wash, 40 lks. wide, 8 ft. deep, in bottom of canon, 300 ft. below ridge, course S. Asc.
30.50	Old road, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor.. mkd. on brass cap $\frac{1}{4}$ S 15 in W half and S 15 in E half; from which A cedar, 10 ins. in dia., bears N. 51° 15' E., 136 lks dist.. mkd. S 15 B T. A cedar, 8 ins. in dia., bears S. 23° 00' W., 104 lks. dist.. mkd. $\frac{1}{4}$ S 16 B T. And also raise amount of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
49.00	Top of ridge, 500 ft. above hollow, bears NE. and SW. Desc.
55.00	Head of hollow, 50 ft. below ridge, course W. Asc.
58.60	Top of ridge, 50 ft. above hollow, bears E. and W. Desc.
63.00	Head of hollow, 40 ft. below ridge, course S. Asc.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock bottom and surrounded by mound of stone, for cor. of sec. 9, 10, 15 and 16.. mkd. on brass cap T 7 S S 9 in NW. R 1 W S 10 in NE. S 15 in SE; and

Subdivision of T. 7 S. R. 1 W. - continued.

Chians

S 16 in SW, quadrants; from which

A cedar, 12 ins. in dial, bears N. 39° 50' E., 78
lks. dist. mkd. T 7 S R 1 W S 10 B T.A cedar, 16 ins. in dia., bears S. 51° 00' E., 142
lks. dist. mkd. T 7 S R 1 W S 15 B T.A cedar, 6 ins. in dia., bears S. 77° 30' W., 69
lks. dist. mkd. T 7 S R 1 W S 16 B T.A cedar, 12 ins. in dia., bears N. 38° 00' W., 50
lks. dist. mkd. T 7 S R 1 W S 9 B T.

Land, mountainous.

Soil, gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush.

Mountainous land, or land covered with dense undergrowth,
80.00 chs.

East on a random line bet. sec. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.12 Intersect N. and S. line 5 lks. S. of the cor. of secs. 10,
11, 14 and 15.

Thence I run

S. 89° 58' W. on a true line bet. sec. 10 and 15.

Over mountainous land; through scattering timber and
dense undergrowth.

Desc.

13.50 Bottom of hollow, 160 ft. below sec. cor., course S. 20° W.
Asc.

14.95 Limestone ledge, 10 ft. high, bears N. and S.

22.50 Top of ridge, 150 ft. above hollow, bears N. 20° E. and
S. 20° W.

Subdivision of T. 2 S. R. 1 W. - Continued

Chains	Desc.
27.50	Head of hollow, 180 ft. below ridge, course N. 70° W. Continue descent.
40.06	Top of ridge, 40 ft. below hollow, bears N. 80° W. and S. 80° E. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 15 in N half and S 22 in S half; from which A cedar, 12 ins. in dia., bears N. 13° 00' E., 176 lks. dist. mkd. $\frac{1}{4}$ S 15 B T. A cedar, 12 ins. in dia., bears S. 67° 15' W., 110 lks. dist. mkd. $\frac{1}{4}$ S 22 B T.
49.70	Bottom of hollow, 150 ft. below ridge, course S. 10° W. Asc.
52.30	Top of ridge, 80 ft. above hollow, bears N. and S. Desc.
55.50	Bottom of hollow, 50 ft. below ridge, course S. Asc.
63.50	Top of ridge, 150 ft. above hollow, bears N. and S. Desc.
70.10	Bottom of hollow, 70 ft. below ridge, course S. Asc.
80.12	The cor. of secs. 9, 10, 15 and 16. Wind, mountainous. Soil, gravelly; 2nd rate. Timber, cedar. Undergrowth, sage brush. Mountainous land or land covered with dense undergrowth, 80.12 chs.

November 21, 1910.

Subdivision of T. 7 S. R. 1 W. - Continued.

Chains		
	<p>November 22 1910: At 7 $\frac{1}{2}$ 46 m a.m., l.m.t., I set off $40^{\circ}13'N.$, on the lat. arc; $19^{\circ}58'S.$, on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.</p> <p>Thence I run $N. 0^{\circ}02'W.$, bet. secs. 9 and 10.</p> <p>Over mountainous through scattering timber and scatter- ing undergrowth.</p> <p>Asc.</p>	
2.50	<p>Top of ridge, 10 ft. above sec. cor., bears $NE.$ and $S. 20^{\circ}W.$ Desc. abruptly over ledges. Divide bet. Cedar and Utah Valleys.</p>	
21.25	<p>Wash, 20 lks. wide, 4 ft. deep, in bottom of canon, 600 ft. below ridge, course $S. 60^{\circ}W.$, old road in bottom, bears $N. 60^{\circ}E.$ and $S. 60^{\circ}W.$ Asc. abruptly.</p>	
29.00	<p>Top of ridge, 300 ft. above hollow, bears $E.$ and $W.$ Desc. Leave ledges, bear $E.$ and $W.$</p>	
32.20	<p>Bottom of hollow, 40 ft. below ridge, course $E.$ Asc.</p>	
40.00	<p>Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone for $\frac{1}{2}$ sec. cor. mkd. on brass cap $\frac{1}{2}$ S 9 in W half and S 10 in E half; on which</p> <p style="padding-left: 40px;">A cedar, 6 ins. in dia., bears $N. 35^{\circ}30'E.$, 10 lks. dist. mkd. $\frac{1}{2}$ S 10 B $E.$</p> <p style="padding-left: 40px;">A cedar, 6 ins. in dia., bears $N. 30^{\circ}00'W.$, 24 lks. dist. mkd. $\frac{1}{2}$ S 9 B $E.$</p>	
44.00	<p>Top of ridge, 100 ft. above hollow, bears $E.$ and $W.$ Desc.</p>	
55.90	<p>Bottom of hollow, 150 ft. below ridge, course $S. 70^{\circ}W.$ Asc.</p>	
68.00	<p>Top of ridge, 200 ft. above hollow, bears $N. 70^{\circ}W.$ and $S. 70^{\circ}E.$</p>	

Subdivision of T.7 S., R.1 W. - Continued.

Chains	Desc.gently.
72.00	Begin steeper descent, bears E. and W.
77.60	Bottom of hollow, 100 ft. below ridge, course S. 80° E. Asc.
80.00	Set an iron post, 3 ft. long, 2 ins in dia., 18 ins. in the ground, on solid rock bottom and surrounded by mound of stone for cor. of secs. 3, 4, 9 and 10. mkd. on brass cap T 7 S S 4 in NW. R 1 W S 3 in NE. S 10 in SE; and S 9 in SW, quadrants; from which A cedar, 12 ins. in dia., bears N. 18° 45' E., 192 lks. dist. mkd. T 7 S R 1 W S 3 B T. A cedar, 4 ins. in dia., bears S. 48° 02' E., 170 lks. dist. mkd. T 7 S R 1 W S 10 B T. A cedar, 6 ins. in dia., bears S 66° 30' W., 58 lks. dist. mkd. T 7 R 1 W S 9 B T. A cedar, 5 ins. in dia., bears N. 19° 00' W., 202 lks. dist. mkd. T 7 SR 1 W S 4 B T. Land, mountainous. Soil, gravelly; 2nd rate. Timber cedar. Undergrowth, sage brush. Mountainous land, 80.00 chs.
	<hr/>
	N. 89° 58' E., on a random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line 5 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence I run West on a true line bet. secs. 3 and 10.

Subdivision of T. 7 S. R. 1 E. -Continued

Chains	Over mountainous land; through dense undergrowth.
	Desc.
3.40	Bottom of hollow, 50 ft. below sec. cor., course S. 60° W.
	Asc.
15.00	Enter scattering timber, bears N. and S.
19.50	Top of ridge, 150 ft. above hollow, bears N. 60° W. and S. 60° W.
	Desc.
40.05	Point 350 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1 sec. cor. mkd. on brass cap $\frac{1}{2}$ S 3 in N half and S 10 in S half; from which
	A cedar, 12 ins. in dia., bears N. 50° 00' W., 44 lks. dist. mkd. $\frac{1}{2}$ S S B T.
	A cedar, 6 ins. in dia., bears S. 25° 00' E., 35 lks. dist. mkd. $\frac{1}{2}$ S 10 S T.
46.90	Old road, bears N. 20° E. and S. 20° W.
47.35	Bottom of hollow, 500 ft. below ridge, course S. 20° W.
	Asc.
51.50	Top of ridge, 150 ft. above hollow, bears NW. and SE.
	Desc.
59.50	Bottom of hollow, 150 ft. below ridge, course SE.
	Asc.
69.75	Top of ridge, 300 ft. above hollow, bears N. 20° W. and S. 20° E.
	Desc.
74.00	Bottom of hollow, 150 ft. below ridge, course S. 20° E.
	Asc.
78.50	Top of ridge, 150 ft. above hollow, bears N. 10° W. and SE.
	Desc.
80.10	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous.
	Soil, gravelly; 2nd rate.
	Timber, cedar.
	Undergrowth, sage brush.

Subdivision of T. 7 S., R. 1 E., continued.

Chains Mountainous land, or land covered with dense undergrowth.

80.10 chs.

November 22, 1910: At this cor. I set off $20^{\circ}03'S.$, on the decl. arc; and at 11 h 46 m a., m.l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}14'N.$, which is the proper lat. nearly.

$N.0^{\circ}2'W.$, on a random line bet. secs. 3 and 4.

40.00 Set temp. sec. cor.

80.60 Intersect N. bdy. Tp. 51 lks. W. of the cor. of secs. 3, 4, 33 and 34, heretofore described.

Thence I run

$S.0^{\circ}20'W.$, on a true line bet. secs. 3 and 4.

Over mountainous land; through dense undergrowth and scattering timber.

Desc.

1.00 Bottom of hollow, 15 ft. below sec. cor., course $S.75^{\circ}E.$

Asc.

7.00 Top of ridge, 100 ft. above hollow, bears $N.60^{\circ}W.$ and $S.60^{\circ}E.$

Desc.

33.20 Bottom of hollow, 200 ft. below ridge, course $S.80^{\circ}E.$

Asc.

34.60 Top of ridge, 40 ft. above hollow, bears E. and W.

Desc.

37.00 Bottom of hollow, 40 ft. below ridge, course $N.80^{\circ}E.$

Asc.

40.60 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock bottom and surrounded by mound of stone, for sec. cor. mkd. on brass cap $\frac{1}{2} S \frac{1}{4} W$ half and $S \frac{3}{4} W$ half; from which

Subdivision of T. 7S. R. 1 W. -Continued.

Chains	A cedar, 6 ins. in dia., bears $SO^{\circ}55'E.$, 97 lks. dist. mkd. $\frac{1}{2}$ S $3^{\circ}B$ T.
	A cedar, 6 ins. in dia., bears $N.17^{\circ}50'W.$, 65 lks. dist. mkd. $\frac{1}{2}$ S $4^{\circ}B$ T.
59.00	Top of ridge, 150 ft. above hollow, bears $N.80^{\circ}W.$ and $S.80^{\circ}E.$ Desc.
67.50	Bottom of hollow, 140 ft. below ridge, course $SE.$ Asc.
76.50	Top of ridge, 30 ft. above hollow, bears $N.60^{\circ}W.$ and $S.20^{\circ}E.$ Desc.
80.60	The cor. of secs. 3, 4, 9 and 10. Land, mountainous. Soil, gravelly; 2nd rate. Timber, cedar. Undergrowth, sage brush. Mountainous land, or land covered with dense undergrowth. 80.60 chs.

November 22, 1910.

November 23, 1910: At 7 h 46 m a.m., l.m.t., I set off
 $40^{\circ}12'N.$, on the lat. arc; $20^{\circ}11'S.$, on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 16, 17, 20 and 21.

Thence I run

$S.0^{\circ}05'E.$, on a true line bet. secs. 20 and 21.

Over mountainous land; thorough scattering timber and
 dense undergrowth.

Subdivision of T.7 S., R.1 E. - Continued.

Chains	Asc.
7.50	Top of ascent and edge of broad ridge, bears N.E. and S. 10° W. Desc. along top of ridge.
25.80	Old road, bears NW. and SE.
27.80	Old road, bears E. and W.
30.80	Old road, bears N. 60° E. and S. 60° W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 20° in 7 half and S 21° in E, from which A cedar, 8 ins. in dia., bears N. $81^{\circ}00'$ E., 66 lks. dist. mkd. $\frac{1}{4}$ S 21° B.T. A cedar, 12 ins. in dia., bears N. $38^{\circ}20'$ W., 53 lks. dist. mkd. $\frac{1}{4}$ S 20° B.T.
47.00	Leave ridge, bears NW. and SE. Desc.
54.65	Old road, bears NW. and SE.
55.00	Bottom of hollow, 100 ft. below ridge, course SE. Asc.
59.00	Top of ridge, 30 ft. above hollow, bears N. 80° W. and S. 80° E. Desc.
63.75	Bottom of hollow, 30 ft. below ridge, course S. 60° E. Asc.
67.00	Top of ridge, 30 ft. above hollow, bears N. 60° W. and S. 60° E. Desc.
74.00	Bottom of hollow, 20 ft. below ridge, course S. 70° E. Asc. Enter heavy timber, bears E. and W.
87.00	Top of ascent and edge of broad ridge, 150 ft. above hollow, bears N. 20° W. and SE. Asc. gently.
100.44	Intersect N. side of Sec. 29 at point 3.18 chs. E. of $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 2 in. in dia., 12 ins. in the

Subdivision of T. 7 S. R. 1 W. Continued.

Chains ground, on solid rock bottom and surrounded by mound of stone, for closing cor. of secs. 20 and 21. mkd. on brass cap

T 7 S S 20 in NW.

R 1 W S 21 in NE.

S 28 in SE; and

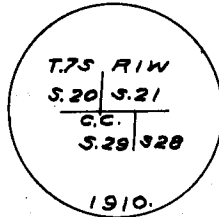
C C S 29 in SW, quadrants; from which

A cedar, 7 ins. in dia., bears N. 20° 30' E., 57 lks.,

dist. mkd. T 7 S R 1 W S 21 B T.

A cedar, 10 in. in dia., bears N. 28° W., 29 lks.

dist. mkd. T 7 S R 1 W S 20 B T.



Land, mountainous and nearly level.

Soil, clay and gravelly loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and shadescale.

Mountainous, or heavily timbered land or land covered with dense undergrowth, 100.44 ahs.

November 23, 1910: At this cor., I set off 20° 16' S., on the decl. arc; and at 11 h 46 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40° 11' N., which is the proper lat. nearly.

From the cor. of secs. 16, 17, 20 and 21.

I run

N. 0° 03' W., bet. sec. 16 and 17.

Over mountainous land; through scattering timber and scattering undergrowth.

Desc. gently.

4.40 Bottom of hollow, 20 ft. below sec. cor., course W.

Asc.

20.00 Top of ridge, 50 ft. above hollow, bears E. and W.

Desf.

Subdivision of T. 7 S., R. 1 E., -Continued.

Chains	
31.10	Bottom of hollow, 50 ft. below ridge, course W. a Asc.
35.50	Top of ridge, 50 ft. above hollow, bears N. 60° E. and S. 60° W. Desc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 17 in W half and S 16 in E half; from which A cedar, 6 ins. in dia., bears N. 32° 30' E., 48 lks dist. mkd. $\frac{1}{4}$ S 16 B T. A cedar, 7 ins. in dia., bears N. 64° 00' W., 31 lks. dist. mkd. $\frac{1}{4}$ S 17 B T. And also raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
44.50	Bottom of hollow, 60 ft. below ridge, course SW. comes from E. As c.
52.00	Top of ascent and top of rolling mesa bears N. 80° E. and S. 80° W. Asc. gently.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17. mkd. on brass cap T 7 S S 8 in NW. R 1 W S 9 in NE. S 16 in SE; and S 17 in SW; quadrants; from which A cedar, 8 ins. in dia., bears N. 71° 10' E., 262 lks. dist. mkd. T 7 S R 1 W S 9 B T. A cedar, 5 ins. in dia., bears S. 58° 00' E., 67 lks. dist. mkd. T 7 S R 1 W S 16 B T. A cedar, 4 ins. in dia., bears S. 11° 45' W., 20 lks. dist. mkd. T 7 S R 1 W S 17 B T.

Subdivision of T.7 S., R.1 W., -continued.

Chains

A cedar, 5 ins. in dia., bears N. 44° 00' W., 56 lks.,
dist..mkd. T 7 S R 1 W S 8 B T.

Land, mountainous and nearly level.

Soil, gravelly and clay loam; 2nd rate.

Timber, cedar.

Undergrowth, sage brush and shade trees.

Mountainous land, 52.00 chs.

East on a random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line 2 lks. N. of the cor. of secs.
9, 10, 15 and 16.

Thence 1 run

N. 89° 59' W., on a true line bet. secs. 9 and 16.

Over mountainous land; through heavy timber and scattering
undergrowth

Ass.

3.00 Top of ridge, 10 ft. above sec. cor., bears NE. and SW.

Desc. abruptly over ledges. Divide bet. Cedar and Utah Valleys.

39.00 Foot of abrupt descent, and edge of rolling mesa,
leave ledges and leave heavy and enter scattering timber,
bears N. 60° E. and S.

40.03 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground for $\frac{1}{4}$ sec. cor..mkd. on brass cap $\frac{1}{4}$ S 9 in N
half and S 16 in S half; from which

A cedar, 5 ins. in dia., bears N. 61° 21' E., 94 lks.
dist..mkd. $\frac{1}{4}$ S 9 B T.

A cedar, 6 ins. in dia., bears S. 37° 35' E., 24
lks. dist..mkd. $\frac{1}{4}$ S 16 B T.

Subdivison of T.7 S., R.1 W. - Continued

Chains	And also raise amount of stone, 2 ft. base, 1½ ft. high, N. of cor.
41.10	Old road, bears N. 60° E. and S. 60° W.
56.70	Same old road, bears N. 65° W. and S. 65° E.
80.06	The cor. of secs. 8, 9, 16 and 17. Land, mountainous and nearly level. Soil, gravelly loam and rocky; 2nd and 4th r te. Timber, cedar. Undergrowth, sage brush and shade scale. Mountainous or heavily timbered land, 41.06 chs.
	November 23, 1910.
	November 24, 1910: At 7 h 47 m. a. m., l. m. t., I set off 40° 13' N., on the lat. arc; 20° 23' S., on the decl. arc; and determine a meridian with the solar at the cor of secs. 8, 9, 16 and 17. Thence I run West on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line 28 lks. S. of the re-established cor. of secs. 16 and 18. Thence I run S. 89° 48' E., on a true line bet. secs. 8 and 17. Over rolling land; through scattering undergrowth. Asc. gently.
7.00	S. edge of wash, bears N. 80° W. and S. 80° E.
12.40	Bottom of same wash, course N. 80° W.
13.00	N. edge of same wash, bears N. 80° W. and S. 80° E.
25.00	Enter scattering timber, bears N. and S.

Subdivision of T. 7 S., R. 1 W. - Continued.

Chain	
27.00	Begin steeper ascent over rolling hills, bears N. and S.
40.06	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd. on brass cap $\frac{1}{4}$ S 8 in N half and S 17 in S half; from which <div style="margin-left: 40px;">A cedar, 6 ins. in dia., bears N. 27°00' E., 101 lks. dist. mkd. $\frac{1}{4}$ S 8 B T. A cedar, 6 ins. in dia., bears S. 8°35' E., 151 lks. dist. mkd. $\frac{1}{4}$ S 17 B T. And also raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</div>
41.00	Top of ridge, 50 ft. above wash, bears N. and S. Desc.
44.20	Bottom of hollow, 20 ft. below ridge, course S. 60° W. Asc.
45.20	Top of steep ascent, bears N. 60° E. and S. 60° W. Ascend over rolling mesa.
80.12	The cor. of secs. 8, 9, 16 and 17. Land, mountainous. Soil, gravelly and clay loam; 2nd rate. timber, cedar. Undergrowth, sage brush and shadescales.
	<hr/>
	N. 0°3' W., bet. secs. 8 and 9. Over rolling mesa; through scattering timber and scattering undergrowth. Asc. gently.
7.00	Old road, bears E. and W.
13.00	Begin descent into hollow, leave mesa, bears E. and W.
20.30	Wash 5 ft. deep, 20 lks. wide, in bottom of hollow, 50 ft. below sec. cor., course W. Asc.

Subdivision of T. 7 S., R. 1 W., continued.

Chains		entire
28.00	Top of ridge, 60 ft. above hollow, bears N. and W. 88° 00' 73	00.73
	Desc.	80.04
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for sec. cor. mkd. on brass cap $\frac{1}{4}$ S 8 in W half and S 9 in E half; from which A cedar, 3 ins. in dia., bears N. 83° 00' E., 163 lks. dist. mkd. $\frac{1}{4}$ S 9 B T. No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.	
40.80	Old road, bears NE. and SW. Desc.	00.12
43.30	Bottom of hollow, 50 ft. below ridge, course SW. Asc.	
64.00	Top of ridge, 100 ft. above hollow, bears N. 70° 3' and S. 70° 7'. Desc.	
66.30	Wash, 20 lks. wide, 3 ft. deep, course W.	
72.70	Wash, 10 lks. wide, 3 ft. deep, in bottom of hollow, 30 ft. below ridge, course S. 60° 7'. Asc.	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9. mkd. on brass cap T 7 S S 5 in NW. R 1 W S 4 in NE. S 9 in SE; and S 8 in SW, quadrants; from which A cedar, 10 in. in dia., bears N. 34° 45' E., 311 lks. dist. mkd. T 7 S R 1 W S 4 B T. No other trees within limits; raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, mountainous and rolling. Soil, clay and gravelly loam; 2nd rate. Timber, cedar. Undergrowth, sage and shadescale.	

Sub T. 7 S. R. 1 W. -Continued.

Chains Mountainous land, 67.00 chs.

November 24, 1910: At this cor. I set off $20^{\circ}29'S.$, on the decl. arc; and at 11 h 47 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is $40^{\circ}14'N.$, which is the proper lat. nearly.

$S.89^{\circ}59'E.$, on a random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.96 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 3, 4, 9, and 10.

Thence I run

$S.89^{\circ}58'W.$, on a true line bet. secs. 4 and 9.

Over mountainous land; through dense undergrowth, and scattering timber.

Asc.

14.00 Top of ridge, 350 ft. above sec. cor., bears N. and S.

Desc. Leave scattering timber and enter heavy timber.

26.00 Begin more abrupt descent over ledges, bears N. and S.

39.98 Point 500 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground, on solid rock bottom, and surrounded by mound of stone, for $\frac{1}{2}$ sec. cor. mkd. on brass cap $S.4$ in N half and $S.9$ in S half; from which

A cedar, 8 ins. dia., bears $N.14^{\circ}E.$, 57 lks.

dist. mkd. $\frac{1}{2}$ $S.4$ B T.

A cedar, 6 ins. dia., bears $S.7^{\circ}50'E.$, 30 lks.

dist. mkd. $\frac{1}{2}$ $S.9$ B T.

Leave heavy and enter scattering timber, bears N. and S.

51.00 Limestone ledge, 30 ft. high, bears $N.30^{\circ}E.$ and $S.30^{\circ}W.$

57.00 Wash, 30 lks. wide, 3 ft. deep, in bottom of hollow, 1000 ft. below ridge, course SW.

Leave timber, bears N. and S.

Asc. gently.

Sub.T.7 S.,R.1 W.-Continued.

Chains

71.75 Top of ridge, 30 ft. above hollow, bears N. and S.

Desc.

79.96 The cor. of secs. 4, 5, 8, and 9.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Timber, cedar.

Undergrowth, sage brush.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.96 chs.

November 24, 1910.

November 25, 1910 At 7 h 47 m a.m., l.m.t., I set off 40°14' N., on the lat. arc; 20°35' S., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 8, and 9. Thence I run

West, on a random line bet. secs. 5 and 8.

40.00 Set temp. 1 sec. cor.

80.10 Intersect N. and S. line, at a point S. 0°06' W., 110 lks. from the re-established cor. of secs. 5, 6, 7, and 8.

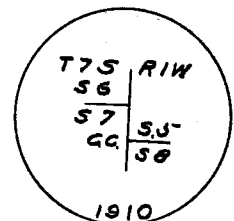
Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 5 and 8, mkd. on brass cap

T 7 S S 6 in NW,

R 1 W S 5 in NE.

S. 8 in SE.; and

C C S 7 in SW. quadrants;



Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

I destroy all marks on the re-established cor. of secs. 5, 6, 7, and 8, which pertain to secs. 5 and 8.

Thence I run

East, on a true line bet. secs. 5 and 8.

Over gently rolling land; through scattering undergrowth. asc.

Sub.T.7 S.,R.1 W.-Continued.

Chains	
26.10	Leave valley ,begin steeper ascent,bears N.and S. Enter scattering timber,bears N.and S.
39 10	Top of ridge,140 ft.above sec.cor.cor.,bears N.and S. Desc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for 1 sec.cor..mkd.on brass cap S 5 in N half and S 8 in S half;from which A cedar,6 ins.dia.,bears N.72°30'W.,43 lks. dist..mkd. S 5 B T. A cedar,6 ins.dia.,bears S.19°30'E.,43 lks. dist..mkd. S 8 B T.
48.70	Bottom of hollow,100 ft.below ridge,course SW. Asc.
59.20	Top of ridge,190 ft.above hollow,bears N.and S. Desc.
62.00	Bottom of hollow,50 ft.below ridge,course N.30°W. Asc.
69.40	Top of sharp ridge,100 ft.above hollow,bears N.40°W.and S.40°E. Desc.
77.50	Head of hollow,150 ft.below ridge,course S. Asc.
80.10	The cor.of secs.4,5,8,and 9. 20 ft.above hollow. Land,mountainous and nearly level. Soil,clay and gravelly;2nd rate. Timber,cedar . Undergrowth,sage brush. Very little grass. Mountainous land,54.00 chs. November 25,1910:At this cor.I set off 20°41'S.,on the decl.arc;and at 11 h 47 m a.m.,1.m.t.,I observe the sun on on the meridian,the resulting lat.is 40°14'N.,which is the proper lat.nearly.

Sub.T.7 S., R.1 W.-Continued.

Chains

continued

From the cor.of secs.4,5,8,and 9. 01.23

I run

N.0°03'W.,on a random line bet.secs.4 and 5. 01.41

40.00 Set temp.1st sec.cor.80.62 Intersect N.bdy.of Tp.,56 lks.W.of the re-established
cor.of secs.4,5,32,and 33...

Thence I run

S.0°21'W.,on a true line bet.secs.4 and 5.

Over mountainous land;through scattering timber.

Desc.

4.50 Old road,bears NE and SW.

6.50 Bottom of hollow,60 ft.below sec.cor.,course S.60°W.

Asc.

13.00 Top of ridge,50 ft.above hollow,bears E.and W.

Desc.

15.25 Bottom of hollow,40 ft.below ridge,course W.

Asc.

35.00 Top of ridge,100 ft.above hollow,bears E.and W.

Desc.

40.62 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
ground,for 1st sec.cor..mkd.on brass,cap 1 S 5 in W half
and S 4 in E half;from which

A cedar,10 ins.dia.,bears N.72°45'E.,169 lks.

dist..mkd.1 S 4 B E.

No other trees within limits;and raise a mound of stone,
2 ft.base,1¹/₂ ft.high,W.of cor.

50.50 Bottom of hollow,50 ft.below ridge,course NW.

Asc.

56.00 Top of ridge,50 ft.above hollow,bears E.and W.

Desc.

71.90 Bottom of hollow,50 ft.below ridge,course W.

Asc.

74.50 Top of ridge,40 ft.above hollow,bears E.and W.

Desc.

Subdivision of T. 7 S., R. 1 W.- Continued.

Chains..
80.62

The cor. of secs. 4, 5, 8, and 9.

Land, mountainous.

Soil, gravelly and clay loam; 2d rate.

Timber, cedar.

Undergrowth, sagebrush.

Mountainous land 80.62 chs.

November 25, 1910.

GENERAL DESCRIPTION.

This township contains nearly every variety of land, from plains to mountains; and the soil ranges from rocky, 4th rate, to sandy and gravelly loam, 2d rate. The soil, in general, is sandy clay and gravelly loam, except on some of the high and steep mountain ridges, where it is rocky, 4th rate. None of this land will produce good crops without irrigation. The central and north central parts of the township are pretty well covered with a scrub variety of cedar timber, but this timber is mostly of too scrubby nature to even produce good fence posts. On most parts of the township there is no grass whatever; however, in some parts where vegetation, in the form of undergrowth, is very dense, sufficient moisture is retained by the soil to produce a poor growth of grass.

There are some onyx lode mining claims, patented in sec. 1 and also in secs. 21 and 22; but as near as I can tell, there are no miners prosecuting development work at the present time. Some open cut prospecting work has been done for kaolin, or china clay, on the south central part of sec. 20.

There is not sufficient mineral in any section to warrant returning the entire section as mineral land.

Subdivision of T. 7 S., R. 1 E. - Continued.

There are no springs or water seeps in the township, and no source of water supply except what may be pumped from Utah Lake, which I believe is contemplated by some of the settlers.

The southern part of the township has been largely patented by individuals and companies, but no particular improvement has been made on this patented land.

The following named persons claim strips of land in secs. 13 and 24, but no improvements have been made by them except those noted on the plat.

J. Eugene Huish, whose claim extends in both secs. 13 and 24, has about one mile of fencing, about 10 acs. ploughed land, and a cabin. Value about \$300.00.

Thomas Larsen, whose claim extends from Utah Lake westerly near middle of sec. 24 of this township has about 10 acres ploughed land, and a little fencing. Value of improvements about \$100.00.

Joseph Warhurst's claim also extends from sec. 19 T. 7 S., R. 1 E. into sec. 24, this Tp. No improvements in this Tp.

Henry G. Blumenthal's claim is located in sec. 24 as indicated on the plat. He has about 5 acres ploughed, and some fencing. Total value of improvement in this township \$100.00.

Samuel K. Roberts, Evan A. Angley, and J. W. Gates all have claims upon which they have made improvements in sec. 18, T. 7 S., R. 1 E. Their intentions are I believe, in every case, to extend their claims into secs. 13 or 24 of this township; but none of their improvements now extend into these sections.

F. C. Cooley is now living in secs. 24, as indicated on the plat; and he has improvements there which he claims cost about \$1500.00; but this seems to be a high estimate.

W. A. Duvall claims a part of sec. 13; and has about

Subdivision of T. 7 S., R. 1 W.- Continued.

ten acres of land ploughed; but this is the only improvement.

As I understand it all of the persons above named expect to file desert entries and reclaim the land by pumping water from Utah Lake.

MEANDERS OF WEST SHORE OF UTAH LAKE, T. 7 S. R. 1 W.

Nov. 26, 1910: At 7 h. 47 m. a. m. l. m. t., I set off 40 11' N. on the lat. arc; 20 47' S. on the decl. arc; and determine a meridian with the solar at the re-established meander cor. of secs. 24 and 26.

Thence I run with meanders in sec. 24, Over rolling ground; through scattering undergrowth. Desc. gently.

N. 89 1/2° E. 15.00 chs.

At 0.30 chs. Utah County road bears N. 25 1/2° E. and S. 25 1/2° W.

At 1.40 chs. wire fence and telephone line bears N. 25 1/2° E. and S. 25 1/2° W. Enter enclosure claimed by F. C. Cooley.

At 2.80 chs. wash 30 lks. wide, 8 ft. deep, course SE.

At 13.50 chs. wash, 20 lks. wide, 6 ft. deep, course SE.

N. 39° E. 15.00 chs.

From this point F. C. Cooley's house bears N. 25° W. 2.65 chs. His stable is about 2.00 chs. E. of house, and chicken coop about 1.00 ch. N. of house.

N. 21° E. 8.00 chs.

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Meanders of West. Shore of Utah Lake T.7 S.W.1 W.

N. $56\frac{1}{4}^{\circ}$ E. 11.70 chs.	
N. $76\frac{3}{4}^{\circ}$ E. 15.00 chs.	
N. $62\frac{3}{4}^{\circ}$ E. 1.20 chs.	Along base of rocky ledge.
N. $44\frac{1}{2}^{\circ}$ E. 6.20 chs.	Along base of rocky ledge.
N. $4\frac{1}{2}^{\circ}$ E. 15.00 chs.	At 1.00 ch. there are a few cottonwood trees at this point.
N. $19\frac{1}{2}^{\circ}$ E. 20.00 chs.	At 4.00 chs. the SW. cor. of a strip of plowed ground, bears W. 2.00 chs. dist.
	At 9.00 chs. a tent claimed and occupied by Thomas Larsen bears W. 1.50 chs. dist.
	At 11.00 chs. the NE. cor. of same strip of plowed ground bears W. 1.00 chs. dist. Lake Meridian.
N. 55° E. 13.00 chs.	Along rocky beach.
	At 13.00 chs. the meander cor. of secs. 19 and 24 on Salt Lake Meridian.

Land rolling.

Soil, along beach rocky, away from beach gravelly.

Timber a few scattering cottonwoods.

Undergrowth, scattering sage.

Boundaries of T. 7 S., R. 1 W.

Line Designated	Course	Latitudes, Departures, and Closing Errors.				
		Dist.	Latitudes, Departures.			
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
E.side Sec.34,	N.20° 00'E.	15.50	14.57	.....	5.30	.....
	N.49° 30'E.	11.50	7.47	.....	8.73	.....
E.side Sec.35,,	N.36° 30'E.	17.40	13.99	.....	10.35	.....
	N.23° 00'E.	23.00	21.17	.....	8.99	.....
E.side Sec.26,	N.34° 30'E.	27.70	22.83	.....	15.69	.....
	N.25° 00'E.	37.00	33.53	.....	15.64	.....
	N.33° 30'E.	28.00	23.35	.....	15.45	.....
E.side Sec.24	N.17° 00'E.	24.20	23.14	.....	7.08	.....
	N.29° 30'E.	15.00	.13	.....	15.00	.....
	N.39° 00'E.	15.00	11.66	.....	9.44	.....
	N.21° 00'E.	8.00	7.47	.....	2.87	.....
	N.56° 15'E.	11.70	6.50	.....	9.73	.....
	N.76° 45'E.	15.00	3.44	.....	14.60	.....
	N.62° 45'E.	1.20	.55	.....	1.07	.....
	N.44° 30'E.	16.20	4.42	.....	4.35	.....
	N. 4° 30'E.	15.00	14.95	.....	1.18	.....
	N.19° 30'E.	20.00	18.85	.....	6.68	.....
	N.55° 00'E.	13.00	7.46	.....	10.65	.....
W.bdy.T.7 S.R.1E.	North	265.12	265.12	.....	.....	.....
N.bdy.T.7 S.R.1W	West	425.12	.....	.....	.....	425.12
E.side sec.6	S.0° 59'W.	39.21	.....	39.20	.....	.67
	S.0° 08'E.	40.37	.....	40.37	.09	.....
E.side sec.7	S.0° 06'W.	40.43	.....	40.41	.....	.07
	S.0° 02'W.	40.44	.....	40.44	.....	.02
E.side sec.18	S.0° 07'E.	40.07	.....	40.07	.03	.....
	S.0° 06'E.	40.20	.....	40.20	.07	.....
E.side sec.19	S.0° 12'W.	40.64	.....	40.64	.14	.....
	S.0° 08'E.	40.45	.....	40.45	.09	.....
E.side sec.30	S.1° 28'E.	40.60	.....	40.60	1.03	.....
	S.0° 14'W.	40.42	.....	40.42	.....	.16
E.side sec.31	S.0° 17'W.	40.25	.....	40.25	.....	.20
	S.0° 13'W.	40.50	.....	40.50	.....	.15
E.side sec.6	South	17.51	.....	17.51	.....	.....
S.bdy.T.7 S.R.1 W.	East	262.56	.....	.....	262.56	.....
Concurrence						.52
T o t a l s			500.60	501.06	426.86	426.91
Error in lat.and dep..				<u>500.60</u>		<u>426.86</u>
				.46		.05.

Note:

There being no rotary public or other officer authorized to administer oaths within a reasonable distance at the beginning or ending of the surveys embraced in this contract; therefore, in order to save time and expense I administer the preliminary and final oaths myself.

Scott W. Stewart
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Scott H. Stewart

_____, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of the sub. of T. 7 S., R. 1 E., and Sub. of T. 7 S., R. 1 W. of the Salt Lake Base and Meridian, Utah

_____, showing the respective capacities in which they acted:

W. Howard West _____, Chainman.

Edgar S. Hurst _____, Chainman.

Carl E. Hodel _____, Moundman.

Henry G. Sundell _____, Axman.

Orson W. McClellan _____, Axman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott H. Stewart

_____, United States Deputy Surveyor, in surveying all

those parts or portions of the sub. and meanders of T. 7 S., R. 1 E. and Sub.

T. 7 S., R. 1 W.

_____ of the Salt Lake

Base and _____ meridian, State of Utah, which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey

has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

corner monuments established, according to the instructions furnished by the United States Surveyor

General for Utah

W. Howard West _____, Chainman.

Edgar S. Hurst _____, Chainman.

_____, Moundman.

Carl E. Hodel _____, Moundman.

Henry G. Sundell _____, Axman.

_____, Axman.

Orson W. McClellan _____, Flagman.

described and sworn to before me this 26th

day of November, 1900.



Scott H. Stewart

U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Scott P. Stewart, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas Hull United States Surveyor General for Utah, bearing date of the 16th day of March, 1910, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the pub and meanders of T. 7 S. R. 1 E. and the sub. T. 7 S. R. 1 W.

Base and meridian, in the State of Utah, of the Salt Lake, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Scott P. Stewart
United States Deputy Surveyor.

Subscribed by said Scott P. Stewart, and sworn to before me
this 5th day of January, 1911, 190x



Thomas Hull
U.S. Surveyor-General

for Utah.
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 11, 1913

The foregoing field notes of the survey of the subdivisional and meander lines of Township No. 7 South, Range No. 1 West of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart
under his contract No. 319, dated March 16, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-373

FILED

JAN 5 1911

m.s.B.

FIELD NOTES

OF THE ^{RE}SURVEY OF THE

SUBDIVISION

of

Township No. 8 South, Range No. 1 West.

Of the Salt Lake Base and Meridian,

Utah

AS SURVEYED BY

Scott P. Stewart, United States Deputy Surveyor,

under his Contract No. 319, dated March 16, 1910, 1910

survey commenced November 8, 1910, 1910

survey completed November 8, 1910, 1910

4-40-00

NAMES AND DUTIES OF ASSISTANTS.

W. Howard West	-----	Chairman
Edgar S. Hurst	-----	Chairman
Carl E. Fodel	-----	Moundman
Harry I. Danzell	-----	Arman
Orson W. McClellan	-----	Flagman.

BOOK A-373

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, W. Howard West and Edgar S. Hurst
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ^{survey} survey of part of Sub. of T. 8 S. R. 1 W. of Salt Lake Base and Meridian, Utah.

W. Howard West, Chainman.

Edgar S. Hurst, Chainman.

Subscribed and sworn to before me this 27th
day of October, 1910



Scott P. Stewart
U.S. Deputy Surveyor

WE, I, Carl E. Hodel and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me to the best of my skill and ability, in the ^{survey} survey of part of Sub. of T. 8 S. R. 1 W. of Salt Lake Base and Meridian, Utah.

Moundman.

Carl E. Hodel, Moundman.

Subscribed and sworn to before me this 27th
day of October, 1910



Scott P. Stewart
U.S. Deputy Surveyor

WE, Henry G. Lundell and
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given me to the best of my skill and ability, in the ^{survey} survey of part of Sub. of T. 8 S. R. 1 W. of Salt Lake Base and Meridian, Utah.

Henry G. Lundell, Axman.

Axman.

Subscribed and sworn to before me this 27th
day of October, 1910



Scott P. Stewart
U.S. Deputy Surveyor

I, Orron W. McClellan, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ^{survey} survey of part of Sub. of T. 8 S. R. 1 W. of Salt Lake Base and Meridian, Utah.

Orron W. McClellan, Flagman.

Subscribed and sworn to before me this 27th
day of October, 1910



Scott P. Stewart
U.S. Deputy Surveyor

Note: Before commencing the survey of this Contract, I learned after running a great many miles of re-tracement work that none of the original corners in the southern part of T.7 S.,R.1 W., upon which I was expected to initiate my survey could be found. And that none of the original corners either in the southern part of T.7 S.,R.1 W., or the northern part of T.8 S.,R.1 W., have been found or known to exist for many years. In fact up until the last few years no improvements have ever been made by any of the land owners in this vicinity and therefore no improvements or marks of any nature have ever been built by land owners to show their holdings. And after making an exhaustive search for the corners, on the ground and making inquiry from old settlers occupying lands to the South, and also taking advantage of information gained by new settlers, who have made extensive survey in T.8 S.,R.1 W., I decide the only reliable corner upon which I could base my work was the $\frac{1}{2}$ Sec.cor., bet.secs.21 and 22, T.8 S.,R.1 W., which is an original corner according to the affidavits of James T.Stark, the oldest settler in the vicinity, and Shadrach M.Richardson who made surveys for Stark many years ago. I obtained an affidavit from Stark and one from Richardson relative to the authenticity of this $\frac{1}{2}$ sec.cor.bet.secs.21 and 22, which is filed with these notes.

The Mosida Fruit Lands Company which owns about 10000 acres of land in this vicinity has based its surveys on this one $\frac{1}{2}$ sec.cor.bet Secs.21 and 22, T.8 S.,R.1 W., and has perpetuated the cor.for the past two years.

As an additional check upon the reliability of the position of this $\frac{1}{2}$ sec.cor., I found by re-tracement that the distances on the closing lines to the shore of the Utah Lake bet.secs. 15 and 22, 15 and 16, and 9 and

Chains

16 are consistent with this cor. as recognized.

Therefore, before commencing at the above described
1 sec. cor. bet. secs. 21 and 22, at the exact cor. point
which is now marked only by wooden stake, 2 ins. square,
and 2 ft. long, but which is under a wire fence at the
exact cor. point, 1

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
ground for ^{re-established} 1/4 sec. cor. m'd. on brass cap 1/4 S 21 in
W half and S 22 in E half; and dig pits, 18x18x12 ins.
N. and S. of post, 3 ft. dist. and raise a mound of
earth, 3 1/2 ft. base, 1 1/2 ft. high, W of cor.

November 8, 1910: At 7 h 44 m a.m., 1 m.t., I set off
40° 06' N., on the lat. arc; 16° 25' S., on the decl.
arc; and determine a meridian with the solar at the
re-established 1/4 sec. cor. bet. secs. 21 and 22.

Thence I run

North on a re-survey line bet. North halves of Secs. 21
and 22.

Over very level land.

Along E. side of wire fence and W. side of road.

40.00 Find no trace of cor. of secs. 15, 16, 21 and 22 after
diligent search.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
ground for re-established cor. of secs. 15, 16, 21 and 22.
m'd. on brass cap

T 8 S S 16 in NW.

R 1 W S 15 in NE.

S 22 in SE; and

S 21 in S, quadrants; dig pits, 18x18x12 ins.
in each sec. 5 1/2 ft. dist.; and raise a mound of earth
4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam; 2nd rate.

Resurvey of Subdivision T. 8 S., R. 1 W.-Continued.

Chains. No timber.

West bet.secs.16 and 21 on a resurvey line.

Over nearly level land.

Asc.gently.

.50 Wire fence, bears N.O 30'W. and S.O 30'E.

Enter cultivated land owned by Mosida Fruit Lands Company.

40.00 Find no trace of old $\frac{1}{4}$ sec.cor., after diligent search.
Set an iron post 3 ft.long, 1 1/2 in dia., 26 ins.in the ground for re-established $\frac{1}{4}$ sec.cor., mkd.on brass cap $\frac{1}{4}$ S 16 in W.half, and S 21 in S.half; dig pits 18 x 18 x 12 ins.E.and W.of post 3 ft.dist.; and raise a mound of earth 3 1/2 ft.base, 1 1/2 ft.high N.of cor.

66.00 Leave plowed land, bears N.20 W. and S.20 E.

66.10 Canal, 15 lks.wide, 2 1/2 ft.. deep, course S.20 E.

Note:: This canal is supplied with water pumped 60 ft.. in elevation, from Utah Lake.

68.50 Old road, bears N.20 W. and S.20 E.

72.90 Fence bears E. and S.

Leave field.

79.40 Center of roadway, bears N. and S.

80.00 Find no trace of cor.of secs.16,17,20, and 21 after diligent search..

Set an iron post 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for cor.of secs.16,17,20, and 21, mkd.on brass cap,

T 8 S S 17 in NW.

R 1 W S 16 in NE.

S 21 in SE., and

S 20 in SW.quadrants; dig pits 18 x 18 x 12 ins.in each sec.5 1/2 ft.dist.; and raise a mound

Chains.

of earth 4 ft. base, 2 ft. high W. of cor.

Land level.

Soil, sandy loam; 2d rate.

No timber.

Went on a resurvey line bet. secs. 16 and 17,

Over level land; through scattering undergrowth. Ascending
ing. gently along W. side of road.

40.00 Find no trace of old $\frac{1}{4}$ sec. cor., after diligent search.

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the
ground for re-established $\frac{1}{4}$ sec. cor., mkd. on brass cap
 $\frac{1}{4}$ S 17 in W. half, and S 16 in E. half; dig pits 18 x 12 x
x 12 ins. N. and S. of post, 3 ft. dist.; and raise a
mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Find no trace of old cor. of secs. 8, 9, 16, and 17 after
diligent search.

Set an iron post 3 ft. long, 2 ins. in dia., 20 ins. in
the ground, for re-established cor. of secs. 8, 9, 16,
and 17, mkd. on brass cap,

T 8 S S 8 in NW..

R 1 W S 9 in NE..

S 16 in SE., and

S 17 in SW. quadrants; dig pits

18 x 12 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a
mound of earth 4 ft. base, 2 ft. high W. of cor..

Land, nearly level.

Soil, sandy loam; 2d rate.

No timber.

Note: This cor. is at the W. end of a road leading easterly
to the settlement called Mosida, the W. and S. street
of which is about 62.50 chs. easterly from here, adja-
cent to the W. shore of Utah Lake. This settlement is

Chains.

Owned by the Mosida Fruit Lands Company.

November 8, 1910: At this cor. I set off 16 28'S. on the decl. arc; and at 11 h. 44 m. a. m. l. m. t., I observe the sun on the meridian; the resulting lat. is 40° 07' N. which is the proper lat. nearly.

North on a resurvey line bet. secs. 8 and 9,
Over nearly level land; through scattering undergrowth;
Asc. gently.

.50 Electric power line from Cedar Valley to Mosida, bears
N. 59 W. and E..

30.90 Old road bears NW. and SE.

31.50 Wash, 3 ft. deep, 10 lks. wide, course S. 80 E.

40.00 Find no trace of old $\frac{1}{4}$ sec. cor., after diligent search.
Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the
ground for re-established $\frac{1}{4}$ sec. cor., mkd. on brass cap
 $\frac{1}{4}$ S 8 on W. half, and S 9 on E. half; dig pits 18 x 12 x
12 ins. N. and S. of post 3 ft. dist.; and raise a mound
of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

58.10 Wash, 20 lks. wide, 6 ft. deep, course E.

62.50 Begin ascent of ridge, bears N. 80 E. and S. 80 W.

72.00 Top of ridge, 100 ft. above foot, bears NW. and SE.
Desc..

80.00 Foot of ridge, bears NW. and SE.

Find no trace of old cor. of secs., 4, 5, 8, and 9, after
diligent search.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the
ground, for re-established cor. of secs. 4, 5, 8, and 9,
mkd. on brass cap,

T 8 S S 5 in NW

R 1 W S 4 in NE..

S 9 in SE.; and

Resurvey of Subdivision T. 8 S. 1 R. 1 W. - Continued.

Chains.

S 8 in SW. quadrants; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor..

Land, level and rolling.

Soil, sandy and gravelly loam; 2d rate.

No timber.

North on a resurvey line bet. secs. 4 and 5,
Over nearly level land; through scattering undergrowth.
Desc. gently.

19.50 Old road, bears N. 45 E. and S. 45 W.

25.40 Wash, 25 lks. wide, 3 ft. deep, course S. 80 E.

40.00 Find no trace of old $\frac{1}{4}$ sec. cor., after diligent search.
Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the
ground, for re-established $\frac{1}{4}$ sec. cor., mkd. on brass cap
 $\frac{1}{4}$ S 5 in W. half, and S 4 in E. half; dig pits 18 x 18 x
12 ins. W. and S. of post, 3 ft. dist.; and raise a mound
of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

78.80 Wash, 20 lks. wide, 3 ft. deep, course S. 70 E.

80.00 Find no trace of old cor. of secs. 4, 5, 32, and 33 on W.
bdy. of Tp., after diligent search.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the
ground, for re-established cor. of secs. 4, 5, 32, and 33,
mkd. on brass cap

T 7 S S 32 in NW.

R 1 W S 33 in NE.

R 1 W S 4 in SE.; and

T 8 S S 5 in SW. quadrants; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, nearly level.

Soil, sandy and gravelly loam; 2d rate.

Undergrowth, sage and shadscale.

No timber.

November 8, 1910.

T. 8 S. R. 1 W.

General Description.

About one third of the eastern portion of this township is covered by Utah Lake. The remaining part is all surveyed except a few miles in the northwestern part.

The surveyed part has practically all been filed on and patents have already issued on the most of it.

The Mosida Fruit Lands Company controls practically all of the surveyed portion, and has started a town called Mosida, on the west shore of Utah Lake occupying parts of secs. 9 and 16. Large tracts of the land south of the town have already been broken up and parts of it cultivated, and irrigated by pumping from Utah Lake.

The unsurveyed portion of the township contains some desirable land for cultivation purposes, and all of it is good for grazing purposes. It should be Surveyed.

Col. P. Stewart
U. S. Deputy Surveyor.

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Page

State of Utah, ss.

County of Utah,

Shadrach M. Richardson, Being first duly sworn according to law, deposes and says that he is a native borne citizen of the U.S. over the age of 21 years, That he has been a practicing Surveyor for 35 years. That about 25 years ago he was employed by James T. Stark to survey, his ranch that in making said survey he found the original $\frac{1}{4}$ section post marked and witnessed as described in the original field notes on the west side of section 22 Tp. 9 S. R. 17. S. 2. Mer. that this affiant was to the said $\frac{1}{4}$ sec. cor. a number of times after finding said cor. and did set the corners for other settlers and ranchers taking said cor. as a beginning point

Shadrach M. Richardson

Subscribed and sworn to before me this 7th day
of January 1911.

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State of Utah, ss.
County of Utah,

James T. Stark being first duly sworn upon his oath deposes and says that he is a native born citizen of the United States, over the age of Twenty one years; that he was a resident and land owner in Township Eight (8) South, Range One (1) West, Salt Lake Meridian for about twenty five years, and that about twenty five years ago he employed S. M. Richardson, a surveyor, to survey his land in Section thirty five (35), above Township and Range; that while making the survey to determine his boundary lines that they measured to and found the original Quarter ($\frac{1}{4}$) Section Corner post on the West side of Section Twenty two (22) Township Eight (8) South, Range One (1) West, Salt Lake Meridian, which post was still in position on or about two (2) years prior to the date of this instrument, and that said post had been perpetuated up to about the year 1908, and up to said last named date had been accepted by the settlers in that neighborhood and recognized by them as a suitable corner from which to have their adjoining lands surveyed;

James T. Stark

Subscribed and sworn to before me this Fourteenth day of November, A. D. 1910.

Justin A. Hoover

My commission expires March 5th. 1912.

Notary Public.

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Page

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Scott P. Stewart

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of part of Sub of T. 8 S. R. 1 W. of Salt Lake Base and Meridian, Utah.

showing the respective capacities in which they acted:

- W. Howard West Chainman.
Edgar S. Hurst Chainman.
Carl E. Hodel Moundman.
Henry G. Sundell Arman.
Orson W. McClellan Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Scott P. Stewart

United States Deputy Surveyor, in surveying all those parts or portions of the part of the Sub. of T. 8 S. R. 1 W.

of the Salt Lake Base and meridian, State of Utah, which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah

- W. Howard West Chainman.
Edgar S. Hurst Chainman.
Carl E. Hodel Moundman.
Henry G. Sundell Arman.
Orson W. McClellan Flagman.

Subscribed and sworn to before me this 26th day of November, 1940

Scott P. Stewart
U.S. Deputy Surveyor.



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Scott P. Stewart, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from Thomas Hull,
United States Surveyor General for Utah, bearing date of the
16th day of March, 1910, I have well, faithfully, and lawfully, in my own
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for Utah, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of part of Sub. of Twp. 9 S. & R. 1 W.

Base and meridian, in the State of Utah, of the Salt Lake
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for Utah and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

Scott P. Stewart
United States Deputy Surveyor

Subscribed by said Scott P. Stewart, and sworn to before me
this 5th day of January, 1911, ~~1910~~



Thomas Hull
U.S. Surveyor-General

APPROVAL.

for Utah

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 11, 1912

The foregoing field notes of the ^{re}survey of Subdivision of fractional Township
No. 8 South, Range No. 1 West of the Salt Lake Base and Meridian,
Utah,

executed by Scott P. Stewart
under his contract No. 319, dated March 16, 1910, ~~1911~~, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
re-surveys they describe, are hereby approved.

Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
Utah, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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corrective sur N bdy 37 5 9 N

4-679.

BOOK A-373

a.

Filed May 16/12
WJH

FIELD NOTES

CORRECTIVE
OF THE SURVEY OF THE

NORTH BOUNDARY

of

Township No. 37 South, Range No. 9 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Mayhew H. Dalley, United States Deputy Surveyor,

under his Contract No. 321, dated June 11th, 1910. ###

Survey commenced August 10th, 1910. ###

Survey completed August 12th, 1910. ###

5-72-46

NAMES AND DUTIES OF ASSISTANTS

Hillman Dalley, Chairman

Edward H. Parry, Chairman.

James A. Tweedie. Moundman.

Edward H. Parry, Moundman.

James A. Tweedie. Axman.

Maeser Dalley, Axman.

Maeser Dalley, Flagman.

**Volume

R0373**

BOOK A-373

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PRELIMINARY OATHS OF ASSISTANTS.

WE, HILLMAN DALLEY and EDWARD H. PARRY
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Corrective
N.Bdy.of Tp.No.37 S.of R.No.9 W.,of the Salt Lake Base and Mer.

Hillman Dalley Chainman.
Edward H Parry Chainman.

Subscribed and sworn to before me this 8th.
day of August, 1910.



My Commission Expires
May 16th. 1911.

Senora C Dalley
Notary Public
Iron County, Utah.

WE, JAMES A. TWEEDIE and EDWARD H. PARRY
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Corrective
N.Bdy.of Tp.No.37 S.of R.No.9 W.,of the Salt Lake Base and Mer.

James A. Tweedie Moundman.
Edward H Parry Moundman.

Subscribed and sworn to before me this 8th.
day of August, 1910.



My Commission Expires
May 16th. 1911.

Senora C Dalley
Notary Public
Iron County, Utah.

WE, JAMES A. TWEEDIE and MAESER DALLEY
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Corrective
N.Bdy.of Tp.No.37 S.of R.No.9 W.of the Salt Lake Base and Mer.

James A. Tweedie Axman.
Maeser Dalley Axman.

Subscribed and sworn to before me this 8th.
day of August, 1910.



My Commission Expires
May 16th. 1911.

Senora C Dalley
Notary Public
Iron County, Utah.

I, MAESER DALLEY, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Corrective
N.Bdy.of Tp.No.37 S.,of R.No.9 W.,of the Salt Lake Base and Mer.

Maeser Dalley Flagman.

Subscribed and sworn to before me this 8th.
day of August, 1910.



My Commission Expires
May 16th. 1911.

Senora C Dalley
Notary Public
Iron County, Utah.

Corrective Survey of North Boundary of T.37 S., R.9 W.

Chains.

Corrective Survey commenced August 10, 1910, and executed with a W. and L.E. Gurley Light Mountain Solar Transit No. 31, provided with R.M. Jones double Latitude arc and reversible level bubble.

The horizontal limb is provided with two double verniers, placed opposite to each other, which read to single minutes of arc; the smaller and larger latitude arcs read with verniers to single minutes and to ten seconds of arc respectively.

The Instrument was examined, tested on the True Meridian, at Salt Lake City, Utah, found correct, and was approved by the Surveyor General for Utah, July 27, 1901,

I examine the adjustments of the Transit and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m., and p.m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

August 10, 1910: At the SE cor. of Tp. 36 S., R. 9 W., which is a cross (X) cut on a volcanic stone 4x8x1½ ft. above ground, marked and witnessed as described by the Surveyor General, latitude 37°33' 11" N., longitude 112° 46' 04" W.; at 4h 5m p.m., l.m.t., I set off 37°33' N. on the lat. arc; 15°38' N. on the decl. arc; and determine a meridian with the solar and mark a point thereof on a stone set firmly in the ground 5.00 chs. N. of the cor. At 10h 17.3m p.m., l.m.t., I observe Polaris at Eastern Elongation in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack in a wooden plug driven firmly in the ground 5.00 chs. N. of my station.

August 10, 1910.

Chains.

August 11, 1910: At 7 h 35 m a.m., l.m.t., I lay off the Azimuth of Polaris $1^{\circ}29'$ to the West and mark the meridian thus determined by cutting a cross (x) on the stone already set 5.00 chs. N. of the cor., on which the meridian falls 0.33 ins. E. of the mark determined by the solar.

At 8 h 5 m a.m., l.m.t., I set off $37^{\circ}38'N.$ on the lat. arc; $15^{\circ}26'N.$ on the decl. arc; and mark a point in the meridian determined with the solar by a small groove cut on the stone already set 5.00 chs. N. of my station; this mark falls 0.30 ins. E. of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations define positions for meridians respectively about $0'17''W.$ and $0'16''E.$ of the meridian established by Polaris observation; therefore I conclude the adjustments of the Instrument are satisfactory.

The magnetic bearing of the meridian at 8 h 35 m a.m., l.m.t., is $N.15^{\circ}48'W.$; the angle thus determined gives the magnetic declination $15^{\circ}48'E.$

The witness cor. to cor. of secs. 35 and 36 which is 63.68 chs. W. of the SE cor. of T.36 S., R.9 W., is a volcanic stone 6x10x6 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.

I find it impossible to chain or triangulate the N. bdy. of the Tp. from this cor. West, on account of deep

Corrective Survey of North Boundary of T.37 S., R.9 W.-Continued.

Chains.

canons and perpendicular cliffs being in the breaks of Cedar Canon.

Note:-I established this cor.as witness cor.to cor. of secs.1,2,35 and 36, September 1, 1905, by marking bearing trees as follows:

The NE bearing tree is decayed, therefore I mark new bearing tree for sec.36:

A balsam 8 ins.dia., bears N. $37\frac{1}{2}^{\circ}$ E. 20 lks. dist.,
mkd. WC T 36 S R 9 W S 36 B T.

A balsam 10 ins.dia., bears S. 17° E. 90 lks. dist.,
Mkd. WC T 37 S R 9 W S 1 B T.

A spruce 20 ins.dia., bears S. 87° W. 31 lks. dist.,
mkd. WC T 37 S R 9 W S 1 B T.

August 11, 1910: At 9h' 5m. a.m., l.m.t., I set off 37° 38' N. on the lat arc; 15° 20' N. on the decl. arc; and determine a meridian with the solar at this WC to cor. of secs. 1, 2, 35 and 36.

Thence I offset S. $0^{\circ}01'$ E. 50.00 chs.

Thence S. $89^{\circ}53'$ W. on offset line 96; 32 chs.

Thence offset N. $0^{\circ}01'$ W. 50.00 chs.

Intersect N. bdy. of Tp. at point for cor. secs. 2, 3, 34 and 35.

Set temp. sec. cor.

Thence I run

West on a random line along N. bdy. of Tp setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and at 312.46 chs. intersect range line bet. Rs. 9 and 10 W. 63 lks. N. of the cor. of Tps. 36 and 37 S., Rs. 9 and 10 W. which is a sandstone 18x12x4 ins. above ground in a mound of stone mkd. and witnessed as described by the Surveyor General.

The falling answers to the correction of 7' or 16 lks.

Corrective Survey of North Boundary of T.37 S., R.9 E. - Continued.

Chains.

S. per mile, counting from the NE. cor. of the township.

August 11, 1910.

August 12, 1910: At 8 h 5 m a.m., l.m.t., I set off $37^{\circ} 38'$ N. on the lat arc; $15^{\circ} 9'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 36 and 37 S., Rs. 9 and 10 W.

Thence I run

N. $89^{\circ} 53'$ E. on a true line bet. secs. 6 and 31.

Over mountainous land; through dense undergrowth.

Descend over NE slope of ridge.

- 1.50 Trail bears NW and SE.
- 4.00 Enter heavy timber bears NW and SE.
- 16.00 Leave heavy and enter scattering timber bears NE and SW.
- 21.00 Spring branch 1 lk. wide, 1 in. deep, course NE.
- 24.00 Spring branch 2 lks. wide, 1 in. deep, course N.
- 32.46 Set a sandstone 16x12x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
- An aspen 12 ins. dia., bears N. $22\frac{1}{2}^{\circ}$ E. 39 lks. dist., mkd. $\frac{1}{4}$ S 31 B T.
- A balsam 36 ins. dia., bears S. $21\frac{1}{2}^{\circ}$ W. 89 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.
- This cor. is 200 ft. below Tp. cor.
- Note: - The $\frac{1}{4}$ sec. cor. set in original survey of this bdy. bears N. $89^{\circ} 53'$ E. 227 lks. dist. I destroy all traces of this cor.
- 34.20 In bottom of hollow 250 ft. below Tp. cor. course N.
- Ascend.

Corrective Survey of North Boundary of T.37 S., R.9 W.-Continued.

Chains.

Enter heavy timber bears N. and S.

40.00 Spring branch 1 lk.wide 1 in.deep, course N.

65.00 Top of spur 100 ft.above hollow, bears NW and SE.

Descend.

70.50 Foot of steep descent bears NW and SE.

Leave heavy and enter scattering timber bears NW and SE.

Ascend gradually.

72.46 Set a yellow sandstone 18x10x4 ins., 12 ins.in the ground, for cor.of secs.5, 6, 31 and 32, mkd.with 5 notches on E. and 1 notch on W.edges; from which

An aspen 6 ins.dia., bears N. $73\frac{1}{4}^{\circ}$ E. 171 lks.dist.,
mkd.T 36 S R 9 W S 32 B T.

An aspen 7 ins.dia., bears S. $40\frac{1}{2}^{\circ}$ E. 115 lks.dist.,
mkd.T 37 S R 9 W S 5 B T.

An aspen 12 ins.dia., bears S. $42\frac{3}{4}^{\circ}$ W. 88 lks.dist.,
mkd.T 37 S R 9 W S 6 B T.

An aspen 6 ins.dia., bears N. $23\frac{1}{2}^{\circ}$ W. 189 lks.dist.,
mkd.T 36 S R 9 W S 31 B T.

Note:-The cor.of secs.5, 6, 31 and 32 set in original survey of this bdy.bears N. $39^{\circ}53'$ E. 238 lks.dist.I destroy all traces of this cor.

Land mountainous.

Soil, loam and rocky; 1st and 4th.rate.

Timber, pine, spruce, balsam and aspen.

Undergrowth, oak, serviceberry, chokecherry and aspen saplings.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 72.46 chs.

Corrective Survey of North Boundary of T.37 S., R.5 E., Co. Lincoln, Mo.

Chains.

N.89°53' E. on a true line bet. secs. 5 and 32.

Over mountainous land; through scattering timber and dense undergrowth.

Descend gradually.

4.75 Crystal creek 5 lks. wide, 8 ins. deep, in hollow, 25 ft. below sec. cor., course N.50°W.

Ascend.

6.40 Daniel S. Pendleton Jr's two cabins (old) on line.

Corral bears SE about 1.00 ch. dist.

7.30 Spring branch 1 lk. wide 1 in. deep, course SW.

15.40 Top of spur 75 ft. above creek bears N. and S.

Descend.

18.30 Trail bears NE and SW.

19.30 Creek 2 lks. wide, 6 ins. deep, in hollow 50 ft. below spur, course SW.

A volcanic knoll 300 ft. high bears S. about 20.00 chs. dist.

Ascend.

27.40 Top of spur, 50 ft. above hollow, bears N. and S.

Descend.

33.30 Creek 2 lks. wide, 2 ins. deep, in bottom of hollow 30 ft. below spur, course N.70°W.

Ascend.

34.10 Trail bears N.70°E. and S.70°W.

40.00 Set a basaltic stone 16x12x4 ins., 11 in. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

This cor. is 200 ft. above hollow.

Note:-The $\frac{1}{4}$ sec. cor. set in original survey this bdy. bears N.89°53'E. 130 lks. dist. I destroy all traces of this cor.

Corrective Survey of North Boundary of T.37 S., R.9 W.-Continued.

Chains.

- 56.80 Top of ridge 100 ft. above $\frac{1}{4}$ sec. cor., bears NW and SE.
Enter heavy timber bears NW and SE.
Descend abruptly over broken ledges into "HOLE".
- 70.30 Creek 2 lks wide, 2 ins. deep, in bottom of "HOLE",
300 ft. below ridge, course N.
Ascend abruptly.
- 74.50 Top of sharp spur 150 ft. above creek, bears NW and SE.
Descend abruptly over ledges.
- 75.50 Creek 1 lk. wide 1 in. deep in "HOLE", 200 ft. below
spur, course NW.
Ascend abruptly.
- 80.00 Set a sandstone 18x8x8 ins., 12 ins. in the ground, for
cor. of secs. 4, 5, 32 and 33, marked with 4 notches on
E. and 2 notches on W. edges; from which
A cedar 8 ins. dia., bears N. $56\frac{1}{4}^{\circ}$ E. 42 lks. dist.,
mkd. T 36 S R 9 W S 33 B T.
A yellow pine 12 ins. dia., bears S. $83\frac{1}{4}^{\circ}$ E. 35 lks.
dist., mkd. T 37 S R 9 W S 4 B T.
A balsam 14 ins. dia., bears S. $26\frac{3}{4}^{\circ}$ W. 45 lks. dist.,
mkd. T 37 S R 9 W S 5 B T.
A A balsam 12 ins. dia., bears N. 67° W. 47 lks. dist.,
mkd. T 36 S R 9 W S 32 B T.
- Note:-The point marked for cor. in original survey of
this bdy. on stationary sandstone bears N. $89^{\circ}53'$ E.
127 lks. dist. I destroy all traces of this cor.
- Land mountainous.
- Soil, gravelly and stony; 3rd. and 4th. rate.
- Timber, pine, aspen, balsam and spruce.
- Undergrowth, oak, serviceberry and chokecherry.
- Good grass for grazing.

Corrective Survey of North Boundary of T.37 S., R.9 W. - Continuation

Chains.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

N.89°53'E. on a true line bet. secs. 4 and 33.

Over mountainous land; through heavy timber.

Ascend abruptly out of "HOLE".

8.80 Top of ridge on E. side of "HOLE" 250 ft. above sec. cor., bears NW and S.10°E.

Descend.

21.80 Top of perpendicular ledge 50 ft. high bears NW and SE.

24.30 Top of perpendicular ledge 90 ft. high, bears N.20° W. and S.20°E. Enter bottom of broad canon.

33.80 Creek 2 lks. wide 6 ins. deep, rapid current, course N.20°W.

36.30 Creek 5 lks. wide, 6 ins. deep, in wash 60 lks. wide 25 ft. deep, 500 ft. below ridge, course N.

Ascend abruptly from canon bottom.

40.00 Set a yellow sandstone 22x10x4 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A yellow pine 36 ins. dia., bears N.49 lks. dist.,
mkd. $\frac{1}{4}$ S 33 B T.

A balsam 12 ins. dia., bears S.22 $\frac{1}{2}$ °E. 24 lks. dist.,
mkd. $\frac{1}{4}$ S 4 B T.

Note:-The $\frac{1}{4}$ sec. cor. set in original survey of this bdy. bears N.89°53'E. 110 lks dist. I destroy all traces of this cor.

Corrective Survey of North Boundary of T.37 S., R.9 W.-Continued.

Chains

August 12, 1910: At this cor. I set off $15^{\circ} 5' N.$ on the decl. arc; and at 12 h 5m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ} 38' N.$ which is the proper lat. nearly.

40.20 Top of ridge 200 ft. above canon bottom bears $N. 20^{\circ} W.$ and $S. 20^{\circ} E.$

Descend.

47.60 Foot of descent 150 ft. below ridge, bears $N. 60^{\circ} W.$ and $S. 60^{\circ} E.$ Enter swamp.

Leave timber bears $N. 60^{\circ} W.$ and $S. 60^{\circ} E.$

51.50 Leave swamp bears $N. 60^{\circ} W.$ and $S. 50^{\circ} E.$

Enter heavy timber bears $N. 60^{\circ} W.$ and $S. 60^{\circ} E.$

Ascend.

61.50 Ravine 75 lks. wide 50 ft. deep, course SW.

65.70 Top of ridge 350 ft. above swamp, bears NE and SW.

Descend.

77.50 Ravine 50 lks. wide 10 ft. deep, course SW.

Ascend.

80.00 Set a sandstone $18 \times 10 \times 6$ ins., 12 ins in the ground, for cor. of secs. 3, 4, 33, and 34, marked with 3 notches on W. and 3 notches on E. edges; from which

A balsam 16 ins. dia., bears $N. 71^{\circ} E.$ 143 lks. dist.,
mkd. T 36 S R 9 W S 34 B T.

A yellow pine 30 ins. dia., bears $S. 56\frac{3}{4}^{\circ} E.$ 83 lks.
dist., mkd. T 37 S R 9 W S 3 B T.

A yellow pine 14 ins. dia., bears $S. 70^{\circ} W.$ 51 lks.
dist., mkd. T 37 S R 9 W S 4 B T.

A red pine 24 ins. dia., bears $N. 75\frac{1}{4}^{\circ} W.$ 186 lks.
dist., mkd. T 36 S R 9 W S 33 B T.

Note:-The cor. of secs. 3, 4, 33 and 34 set in original survey of this bdy. bears $N. 89^{\circ} 53' E.$ 103 lks. dist.

Corrective Survey of North Boundary of T.37 S., R.9 W. - Continued

chains.

I destroy all traces of this cor.

Land mountainous.

Soil, loam and stony; 1st. and 4th. rate.

Timber, pine, aspen, spruce and balsam.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 53' E. on a true line bet. secs. 3 and 34.

Over mountainous land; through heavy timber.

Ascend steep W. slope.

17.75 West foot of pink cliffs, 500 ft. high, bears N. and S.

In order to pass these cliffs I return to a point on line, at

14.80 Witness point set in original survey of this bdy.
which is a sandstone 16x10x6 ins., 11 ins. in the ground,
for witness point, marked WP on N. face; from which

A spruce 8 ins. dia., bears N. 70½° W. 27 lks. dist.,
mkd.. W P B T.

A spruce 10 ins. dia., bears S. 10¼° E. 40 lks. dist.,
mkd. WP B T.

Thence I offset as follows:

North 4.09 chs.; then on offset line

N. 89° 53' E. 25.20 chs.; then

South 4.09 chs., to the true line, on which, at

40.00 Point for ¼ sec. cor., falls on stationary sandstone
boulder 4x3x2½ ft. above ground, on which I cut a
cross (X) at exact cor. point for ¼ sec. cor., marked ¼

Compassative Survey of North Boundary of T.37 S., R.9 W.-Continued.

Chains.

on N. side of cross; from which

A spruce 8 ins. dia., bears N. 45° E. 22 lks. dist.,

mkd. $\frac{1}{4}$ S 34 B T.

A balsam 8 ins. dia., bears S. 21° W. 11 lks. dist.,

mkd. $\frac{1}{4}$ S 3 B T.

This cor. is on very steep NE slope about 7.00 chs.
E. of foot of ledges 400 ft. high.

Descend rapidly over E. slope; through heavy timber.

48.00 Creek 4 lks. wide, 6 ins. deep, rapid current, in bottom
of hollow 500 ft. below $\frac{1}{4}$ sec. cor., course N.

Ascend.

49.10 Creek 6 lks. wide, 6 ins. deep, in wash 25 lks. wide, 6 ft.
deep, course NW.

Ascend.

54.80 Top of ridge 200 ft. above hollow, bears N. 20° W. and
S. 20° E.

Descend.

60.80 Creek 4 lks. wide, 6 ins. deep, course NW.

61.70 Creek 4 lks. wide, 8 ins. deep, rapid current, milky
water, in bottom of hollow, 150 ft. below top of ridge,
course N. 55° W.

Ascend.

69.30 Top of ridge 400 ft. above hollow bears N. 20° W. and
S. 20° E.

Descend.

80.00 Temporary cor. secs. 2, 3, 34 and 35.

Set a yellow sandstone 20x15x6 ins., 15 ins. in the
ground, for cor. of secs. 2, 3, 34 and 35, marked with 2
notches on E. and 4 notches on W. edges; from which

A red pine 12 ins. dia., bears N. 27 $\frac{1}{4}$ ° E. 59 lks. dist.,

mkd. T 36 S R 9 W S 35 B T.

Corrective Survey of North Boundary of T.37 S., R.9 W. -Continued

chains.

.aried

A red pine 10 ins.dia., bears S. $88\frac{1}{4}^{\circ}$ E. 66 lks. dist.,
mkd. T 37 S R 9 W S 2 B T.

A red pine 10 ins.dia., bears S. 44° W., 22 lks. dist.,
mkd. T 37 S R 9 W S 3 B T.

A red pine 12 ins.dia., bears N. $56\frac{1}{4}^{\circ}$ W. 14 lks. dist.,
mkd. T 36 S R 9 W S 34 B T.

Note:-The cor of secs. 2, 3, 34 and 35 set in original
survey of this bdy. bears E. 40 lks. dist., I destroy all
traces of this cor.

Land mountainous.

Soil, rocky; 4th. rate.

Timber, pine, spruce, balsam and aspen.

Mountainous or heavily timbered land, 80.00 chs.

East on a true line bet. secs. 2 and 35.

Over mountainous land; through heavy timber.

Descend.

1.80 Begin abrupt descent bears NW and SE.

3.55 Creek 4 lks. wide 4 ins. deep, in bottom of sharp
hollow, 200 ft. below sec. cor., course N.
Leave timber bears NW and SE.

Ascend abruptly.

8.40 Foot of pink cliffs or breaks of Cedar Canon 500 ft.
high, bears N. and S.

It is impossible to continue line further or to offset
around ledges; therefore, at this point I re-establish
witness point set in original survey of this bdy.

Corrective Survey of North Boundary of T.37 S., R.9 W.-Continued.

Chains.

as follows:

Set a sandstone 20x12x8 ins., 15 ins. in a mound of stone for witness point, marked WP on N. face; and raise a mound of stone 2 ft. base 1½ ft. high W. of witness point.

Land mountainous and very rough.

Soil, rocky 4th. rate.

Timber, pine, balsam, spruce and aspen.

Mountainous or heavily timbered land, 3.40 chs.

August 12, 1910.

-----*Matthew H. Dalley*-----
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Mayhew H. Dalley
 _____, United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of Corrective
N. Bdy. of Tp.
37 S. of R. No. 9 W. of the Salt Lake Base and Mer.
 showing the respective capacities in which they acted:

<u>Hillman Dalley,</u>	Chainman.
<u>Edward H. Parry,</u>	Chainman.
<u>James A. Tweedie,</u>	Moundman.
<u>Edward H. Parry,</u>	Moundman.
<u>James A. Tweedie,</u>	Arman.
<u>Maeser Dalley,</u>	Arman.
<u>Maeser Dalley,</u>	Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Mayhew H. Dalley
 _____, United States Deputy Surveyor, in surveying all
 those parts or portions of the Corrective
N. Bdy. of Tp. No. 37 S. of R. No. 9 West,
 _____ of the Salt Lake
Base and _____ meridian, _____ State _____ of _____ Utah _____, which are represented
 at the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for the State of Utah.

<u>Hillman Dalley</u>	Chainman.
<u>Edward H. Parry</u>	Chainman.
<u>James A. Tweedie</u>	Moundman.
<u>Edward H. Parry</u>	Moundman.
<u>James A. Tweedie</u>	Arman.
<u>Maeser Dalley</u>	Arman.
<u>Maeser Dalley</u>	Flagman.

Subscribed and sworn to before me this 18th.
 day of October, 1910



My Commission Expires
May 16th. 1911.

Senora C. Dalley
 Notary Public, Iron County, Utah.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Mayhew H. Dalley, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Thomas H. Adairson United States Surveyor General for the State of Utah, bearing date of the 11th day of June, 1910, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed and those parts or portions of the corrective survey of N. Bdy. of Tp. No. 37 S. of R. No. 9 W.

of the Salt Lake Base and corrective meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the State of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Mayhew H. Dalley
United States Deputy Surveyor.

Subscribed by said Mayhew H. Dalley, and sworn to before me }
this 10th day of May, 1912. ###

XXXXXX
O SEAL O
XXXXXX

Chas. W. Adams
Clerk of District Court.

Fifth Judicial District
APPROVAL. Iron Co., Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 20, 1912

corrective
The foregoing field notes of the survey of the North Boundary of Township No. 37 South, Range No. 6 west of the Salt Lake Base and Meridian, Utah

executed by Mayhew H. Dalley
under his contract No. 321, dated June 11, 1910, ~~1909~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the corrective surveys they describe, are hereby approved.

Thomas H. Adairson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-373

B.

Filed May 16/12
1889

M. S. B.

FIELD NOTES

OF THE SURVEY OF THE

RESURVEY OF THE
EAST AND SOUTH BOUNDARIES

of

Township No. 37 South, Range No. 9 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Mayhew H. Dalley

United States Deputy Surveyor,

Under his Contract No. 321, dated June 11th. A.D. 1910. ###

Survey commenced September 2nd. A.D. 1910. ###

Survey completed September 6th. A.D. 1910. ###

Surveyed by M. S. B.
 1889
 1890

NAMES AND DUTIES OF ASSISTANTS.

Hillman Dalley,

Chainman.

Edward H. Parry,

Chainman.

James A. Tweedie,

Moundman.

Edward H. Parry,

Moundman.

James A. Tweedie,

Axman.

Maeser Dalley,

Axman.

Maeser Dalley,

Flagman.

BOOK A-373

INDEX DIAGRAM.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Hillman Dalley and Edward H. Parry
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of ^{resurvey of} E. and S. Boundaries of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

Hillman Dalley, Chainman.
Edward H. Parry, Chainman.

Subscribed and sworn to before me this 8th.
day of August, 1910



May 16th, 1911.

Notary Public, Iron County, Utah.

WE, James A. Tweedie and Edward H. Parry
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of ^{resurvey of} E. and S. Bds. of Tp. No. 37 South of R. No. 9 W. of the Salt Lake Base and Mer.

James A. Tweedie, Moundman.
Edward H. Parry, Moundman.

Subscribed and sworn to before me this 8th.
day of August, 1910



May 16th, 1911.

Notary Public, Iron County, Utah.

WE, James A. Tweedie and Maeser Dalley
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of ^{resurvey of} E. and S. Bds. of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

James A. Tweedie, Axman.
Maeser Dalley, Axman.

Subscribed and sworn to before me this 8th.
day of August, 1910



May 16th, 1911.

Notary Public, Iron County, Utah.

I, Maeser Dalley, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ^{resurvey of} survey of E. and S. Bds. of Tp. No. 37 S., of R. No. 9 W., of the Salt Lake Base and Mer.

Maeser Dalley, Flagman.

Subscribed and sworn to before me this 8th.
day of August, 1910



May 16th, 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

East Boundary of T.37 S., R.9 W.

Chains.

Survey commenced September 2, 1910, and executed with a W. and L. E. Gurley Light Mountain Solar Transit No. 31, provided with R. M. Jones double latitude arc, and reversible level bubble.

The horizontal limb is provided with two double verniers, placed opposite to each other, which read to single minutes of arc; the smaller and larger latitude arcs read with verniers to single minutes and to ten seconds of arc respectively.

The instrument was examined, tested on the True Meridian, at Salt Lake City, Utah, found correct, and was approved by the Surveyor General for Utah, July 27, 1901.

I examine the adjustments of the transit and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

September 2, 1910: At the S.E. cor. of T. 36 S., R. 9 W., which is a cross (X) cut on a volcanic stone 4x2x1 1/2 ft. above ground, marked and witnessed as described by the Surveyor General, latitude 37° 38' 11" N., longitude 112° 46' 4" W.; at 3^h 0^m p.m., l.m.t., I set off 37° 38' N. on the lat. arc; 89° 0' W. on the decl. arc; and determine a meridian with the solar and mark a point thereof on a stone set firmly in the ground 5.00 chs. N. of the cor.

At 8^h 47.3^m p.m., l.m.t., I observe Polaris at Eastern Elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden plug set firmly in the ground 5.00 chs. N. of my station.

September 2, 1910.

East Boundary of T.37 S., R.9 W. - Continued.

Chains.

September 3, 1910: At 7^h30^m a.m., l.m.t., I lay off the Azimuth of Polaris 1°29' to the West and mark the meridian thus determined by cutting a cross (X) on the stone already set 5.00 chs. N. of the cor., on which the meridian falls 0.33 ins. E. of the mark determined by the solar.

At 8^h0^m a.m., l.m.t., I set off 37°38' N. on the lat. arc; 7°45' N. on the decl. arc; and mark a point in the meridian determined with the solar by a small groove cut on the stone already set 5.00 chs. N. of my station; this mark falls 0.30 ins. E. of the meridian established by Polaris observation.

The solar apparatus by p.m. and a.m. observations define positions for meridians respectively about 0'17" W. and 0'16" E. of the meridian established by Polaris observation; therefore I conclude the adjustments of the Instrument satisfactory.

The magnetic bearing of the meridian at 8^h30^m a.m., l.m.t., is N. 15°48' W.; the angle thus determined gives the magnetic declination 15°48' E.

The S.E. cor. of T.36 S., R.9 W., above described, will now be also the N.W. cor. of T.37 S., R.9 W., therefore, I mark 6 notches on S. of the cross (X) cut for cor. point, and mark bearing tree for sec. 1 as follows:

A spruce 16 ins. dia. bears S. 23 1/4° W. 86 lks.
dist., mkd. T 37 S R 9 W S 1 B T.

Thence I run

South on a random line along the E. bdy. of T.37 S., R.9 W.

East Boundary of T.37 S., R.9 W.-Continued.

Chain,

and knowing from previous survey of this bdy. that sec. 1 will be approximately 13.68 chs. in northing and southing I set temp. sec. cor. at 13.68 chs.; and thence continue my line S. setting temp. $1/4$ sec. and sec. cors. at intervals of 40.00 chs., and, at 413.82 chs., intersect N. bdy. of T. 38 S., R. 9 W., 99.48 chs. S. $89^{\circ}57'$ W. from the cor. of Tps. 37 and 38 S., Rs. 8 and 9 W., which is a limestone $15 \times 10 \times 8$ ins., above ground, firmly set, and marked and witnessed as described by the Surveyor General; and 19.48 chs. S. $89^{\circ}57'$ W. of the cor. of secs. 1, 2, 35 and 36, N. bdy. T. 38 S., R. 9 W., which is a sandstone $8 \times 10 \times 5$ ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.

Set a limestone $12 \times 12 \times 6$ ins., 12 ins. in the ground, for closing cor. of Tps. 37 S., Rs. 8 and 9 W., marked CC 37 S on N., 8 W on E., 9 W on W. faces; with 6 grooves on N.E. and W. faces; from which.

A balsam 24 ins. dia. bears N. 20° E. 43 lks. dist.,

mkd. T 37 S R 8 W S 31 B T.

A spruce 30 ins. dia. bears N. $50-1/2^{\circ}$ W. 62 lks. dist.,

mkd. T 37 S R 9 W S 36 B T.

Note:-I destroy all marks on the cor. of Tps. 37 and 38 S., Rs. 8 and 9 W., and the cor. of secs. 1, 2, 35 and 36 on N. bdy. of T. 38 S., R. 9 W., which pertain to Tps. 37 S., Rs. 8 and 9 W.

September 3, 1910.

September 4, 1910: At 8^h59^m a.m., l.m.t., I set off $37^{\circ}33'$ N. on the lat. arc; $7^{\circ}22'$ N. on the decl. arc; and determine a meridian with the solar, at the closing cor. of Tps. 37

East Boundary of T.37 S., R.9 W.-Continued.

Chains.

S., Rs. 8 and 9 W., heretofore described.

Thence I run

North on a true line bet. secs. 31. and 36.

Over mountainous land; through heavy timber and scattering undergrowth.

Descend.

12.80 Bottom of hollow 100 ft. below closing cor., course N. 70° E.

Ascend.

28.80 Top of ridge 100 ft. above hollow, bears E. and W.

Descend gradually.

31.80 Begin more abrupt descent bears NW and SE.

40.00 Set a limestone 16x10x5 ins., 11 ins. in the ground, for 1/4 sec. cor., mkd. 1/4 on W. face; from which

A spruce 12 ins. dia. bears N. 38-1/2° W. 121 lks. dist.,

mkd. 1/4 S. 36 B T.

A balsam 9 ins. dia. bears N. 55-1/2° E. 39 lks. dist.

mkd. 1/4 S. 31 B T.

Raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.

This cor. is 50 ft. below top of ridge.

50.40 Foot of descent 100 ft. below 1/4 sec. cor., bears NW and SE.

Enter bottom of "Deer Valley" hollow, bears NW and SE.

Leave timber and enter dense undergrowth, bears NW and SE.

51.40 Bottom of "Deer Valley" hollow, course SE.

Ascend rapidly from bottom of hollow.

52.50 Enter heavy timber bears NW and SE.

66.40 Top of ridge, 150 ft. above hollow, bears NW and SE.

Descend gradually.

80.00 Set a limestone 15x9x6 ins., 10 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked with 5 notches on N. and 1 notch on S. edges; from which

A. spruce 10 ins. dia. bears N. 72-1/2° E. 30 lks. dist.

mkd. T. 37 S., R. 9 W. S. 20 B T.

East Boundary of T.37 S., R.9 W.-Continued.

Chains.

A balsam 7 ins.dia.bears S.36° E.17 lks.dist.,
mkd. T 37 S R 8 W S 31 B T.

A spruce 8 ins.dia.bears S.61-1/2° W.35 lks.dist.
mkd.T 37 S R 9 W S 36 B T.

A spruce 20 ins.dia.bears N.52° W.50 lks.dist.,
mkd.T 37 S R 9 W S 25 B T.

Raise a mound of stone 2 ft.base, 1-1/2 ft.high W.of cor.
Land mountainous.

Soil, loam and gravelly; 2nd. and 3rd. rate.

Timber, pine, balsam and aspen.

Undergrowth, henberry brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

North on a true line bet. secs. 25 and 30.

Over mountainous land; through heavy timber and scatter-
ing undergrowth.

Descend.

21.00 Bottom of hollow 100 ft. below sec. cor., course E.

Ascend.

34.00 Top of ridge 75 ft. above hollow, bears E. and W.
Descend.

36.00 Begin more abrupt descent bears E. and W.

40.00 Set a limestone 14x10x6 ins., 9 ins. in the ground, for
1/4 sec. cor., marked 1/4 on W. face; from which

A spruce 12 ins.dia.bears S.52-3/4° E.47 lks.dist.,
mkd. 1/4 S 30 B T.

A spruce 10 ins.dia.bears S.59° W.23 lks.dist.,
mkd. 1/4 S 25 B T.

Raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.

East Boundary of T.37 S., R.9 W., Continued.

Chains.

50.00 Foot of descent 150 ft. below $1/4$ sec. cor., bears N. 80° W. and S. 80° E.

Enter bottom of "Midway Valley".

Leave timber and enter dense undergrowth bears E. and W.

64.50 Midway Creek bed, 4 lks. wide, 1 ft. deep, course S. 70° E.; water in holes.

67.80 Old road bears S. 70° E. and N. 70° W.

68.00 Leave Midway Valley bears N. 60° W. and S. 60° E.

Leave undergrowth and enter heavy timber, bears N. 60° W. and S. 60° E.

Ascend rapidly.

80.00 Set a volcanic stone $20 \times 12 \times 10$ ins., 15 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked with 4 notches on the N. and 2 notches on the S. edges; from which

A balsam 6 ins. dia. bears N. $63-1/2^{\circ}$ E. 29 lks. dist.,
mkd. T 37 S R 8 W S 19 B T.

A balsam 10 ins. dia. bears S. $61-1/2^{\circ}$ E. 68 lks. dist.,
mkd. T 37 S R 8 W S 30 B T.

A balsam 9 ins. dia. bears S. $14-1/2^{\circ}$ W. 44 lks. dist.,
mkd. T 37 S R 9 W S 25 B T.

A balsam 13 ins. dia. bears N. $42-1/2^{\circ}$ W. 74 lks. dist.,
mkd. T 37 S R 9 W S 24 B T.

Raise a mound of stone 2 ft. base $1-1/2$ ft. high W. of cor.

Land mountainous and nearly level valley.

Soil, loam and gravelly; 1st. and 3rd. rate.

Timber, balsam, pine and aspen.

Undergrowth, henberry and yellow brush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

September 4, 1910: At this cor. I set off $7019'$ N. on the decl. arc; and at $11^h 50^m$ a. m., l. m. t., observe the sun on the meridian; the resulting lat. is $37^{\circ} 35'$ N., which is the proper lat. nearly.

East Boundary of T.37 S., R.9 W.-Continued.

Chains.

North on a true line bet. secs. 19 and 24.

Over mountainous land; through heavy timber and scattering undergrowth.

Ascend.

12.50 Top of ridge 100 ft. above sec. cor. bears E. and W.

Descend.

17.50 Leave heavy and enter scattering timber bears E. and W.

21.50 Enter heavy timber bears E. and W.

28.50 Leave heavy and enter scattering timber bears E. and W.

30.00 Bottom of hollow 100 feet below ridge, course E.

Ascend.

38.00 Top of ridge, 100 ft. above hollow, bears E. and W.

Descend.

40.00 Set a limestone 15x12x6 ins., 10 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which

A balsam 10 ins. dia. bears S. 65-1/4° E. 124 lks. dist.,
mkd. 1/4 S 19 E T.

A spruce 24 ins. dia., bears S. 15° W. 125 lks. dist.,
mkd. 1/4 S 24 E T.

Raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.

51.50 Enter heavy timber bears E. and W.

57.50 Bottom of hollow 100 ft. below 1/4 sec. cor., course E.

Ascend.

66.50 Top of ridge 100 ft. above hollow bears NE and SW.

Descend.

68.50 Leave heavy and enter scattering timber bears E. and W.

74.50 Bottom of hollow 100 ft. below ridge, course NE.

Ascend.

78.50 Enter heavy timber bears E. and W.

East Boundary of T.37 S., R.9 W., -Continued.

Chains.

- 80.00 Set a trachyte stone 16x8x6 ins., 11 ins. in the ground,
for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on
N. and 3 notches on S. edges; from which
- A spruce 13 ins. dia. bears N. 75-1/4° E. 37 lks. dist.,
mkd. T 37 S R 8 W S 18 B T.
- A spruce 20 ins. dia. bears S. 63° E. 43 lks. dist.,
mkd. T 37 S R 9 W S 19 B T.
- A balsam 5 ins. dia. bears S 53-1/2° W. 63 lks. dist.,
mkd. T 37 S R 9 W S 24 B T.
- A spruce 12 ins. dia. bears N. 28-1/4° W. 69 lks. dist.,
mkd. T 37 S R 9 W S 13 B T.
- Land mountainous.
- Soil, loam and gravelly; 1st. and 3rd. rate.
- Timber, pine, balsam, spruce and aspen.
- Undergrowth, serviceberry and yellow brush.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.00 chs.
-
- North on a true line bet. secs. 13 and 18.
- Over mountainous land; through heavy timber and scat-
tering undergrowth.
- Descend.
- 1.70 Leave heavy and enter scattering timber bears NW and SE.
- 7.50 Bottom of hollow 50 ft. below sec. cor., course E.
Water in holes.
Continue descent.
- 9.00 Enter heavy timber bears E. and W.
- 24.50 Leave heavy and enter scattering timber bears NW and SE.
- 26.50 Foot of descent 150 ft. below sec. cor. bears NW and SE.

East Boundary of T.37 S., R.9 W.-Continued.

Chains.

- Enter bottom of Long Valley, bears NW and SE.
- 31.70 Long Valley Creek 2 lks. wide, 1 inch deep, course SE.
Enter heavy timber bears NW and SE.
- 33.20 Leave heavy and enter Scattering timber bears NW and SE.
- 35.00 Enter lava bed bears NW and SE.
- 38.00 Leave Long Valley bears NW and SE.
Ascend abruptly over volcanic rocks.
- 40.00 Set a lava stone 20x10x8 ins., 15 ins. in mound of stone,
for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound
of stone 2 ft. base, 1-1/2 ft. high W. of cor.
No bearing trees within limits.
This cor. is 200 ft. above Long Valley Creek.
- 45.00 Top of volcanic ridge 200 ft. above the 1/4 sec. cor.,
bears NW and SE.
Descend over volcanic rocks.
- 61.25 Enter heavy timber bears SE and NW.
- 80.00 Point for sec. cor. falls on stationary volcanic boulder,
12x9x4 ft. above ground, on which I cut a cross(X) at the
exact point for cor. of secs. 7, 12, 13 and 18, marked with
2 notches on N. and 4 notches on S. sides of cross(X);
from which
- A spruce 24 ins. dia., bears N. 66-1/2° E. 160 lks. dist.,
mkd. T 37 S R 8 W S 7 B T.
- A spruce 30 ins. dia., bears S. 60-1/2° W. 231 lks. dist.,
mkd. T 37 S R 8 W S 18 B T.
- A spruce 20 ins. dia. bears S. 82-1/2° W. 126 lks. dist.,
mkd. T 37 S R 9 W S 13 B T.
- A spruce 12 ins. dia. bears N. 3-1/4° W. 111 lks. dist.,
mkd. T 37 S R 9 W S 12 B T.
- Land mountainous and nearly level valley.
Soil, gravelly loam and rocky; 2nd. and 4th. rate.
Timber, pine, spruce, balsam and aspen.
Undergrowth, serviceberry and raspberry.

East Boundary of T.37 E., R.9 W. - Continued

Chains.

Good grass for grazing except in volcanic rocks.
 Mountainous or heavily timbered land, 80.00 chs.

North on a true line bet. secs. 7 and 12.

Over mountainous land; through scattering timber.

Ascend gradually over volcanic rocks.

38.00 Enter heavy timber and leave scattering timber bears E and W.

40.00 Set a volcanic stone 14x10x5 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from which

A spruce 36 ins. dia. bears N. 75° E. 27 lks. dist.,
 mkd. 1/4 S 7 B T.

A spruce 8 ins. dia. bears N. 40-1/4° W. 68 lks. dist.,
 mkd. 1/4 S 12 B T.

Raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.

58.12 Begin descent into volcanic crater.

60.92 Bottom of volcanic crater about 3.00 chs. across E. and W., 150 ft. deep.

63.60 Top of Crater; thence over nearly level land.

80.00 Set a volcanic stone 16x8x8 ins., 11 ins. in a mound of stone, for cor. of secs. 1, 6, 7 and 12, marked with 1 notch on N. and 5 notches on S. edges; from which

A balsam 8 ins. dia. bears N. 12-1/2° E. 24.5 lks. dist.,
 mkd. T 37 S R 8 W S 6 B T.

A spruce 18 ins. dia. bears S. 70° E. 94.5 lks. dist.,
 mkd. T 37 S R 8 W S 7 B T.

A spruce 10 ins. dia. bears S. 58-1/2° W. 47 lks. dist.,
 mkd. T 37 S R 9 W S 12 B T.

A spruce 8 ins. dia. bears N. 58° W. 46.5 lks. dist.,
 mkd. T 37 S R 9 W S 1 B T.

East Boundary of T.37 S., R.9 W.-Continued.

Chains. Land mountainous.

Soil, rocky; 4th. rate.

Timber, spruce, pine, balsam and aspen.

Good grass for grazing, except in volcanic rocks.

Mountainous or heavily timbered land 80.00 chs.

North on a true line bet. secs. 1 and 6.

Over mountainous land; through heavy timber.

Ascend gradually.

13.82 The cor. of Tps. 36 and 37 S., R 9 W., heretofore described.

Land mountainous.

Soil rocky; 4th. rate.

Timber, spruce, pine, balsam and aspen.

Undergrowth, scattering raspberry.

Good grass for grazing, except in beds of volcanic rocks.

Mountainous or heavily timbered land, 13.82 chs.

September 4, 1910.

Mayhew H. Dalley
U.S. Deputy Surveyor

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14
RESURVEY OF
South Boundary of T.37 S., R.9 W.

Survey commenced September 5, 1910, and executed with the same Instrument used in the Survey of the East Boundary of T.37 S., R.9 W., and described in the field notes thereof.

I know the Instrument to be in adjustment from complete test made September 2 and 3, 1910, at the S.E. cor. of T.36 S., R.9 W., and recorded in the field notes of the Survey of the E. bdy. of T.37 S., R.9 W..

September 5, 1910: At 8^h59^m a.m., l.m.t., I set off 37°33' N. on the lat. arc; 70°0' N. on the decl. arc; and determine a meridian with the solar at the closing cor. of Tps. 37 S., Rs. 8 and 9 W., heretofore described.

Thence I run

S. 89°57' W. on a true line along the S. bdy. of sec. 36.

Over mountainous land; through heavy timber and dense undergrowth.

Ascend gradually.

20.60

The 1/4 sec. cor. bet. secs. 2 and 36, which is a sandstone 10x10x6 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.

I destroy all marks on this old cor. that pertain to T. 37 S., R.9 W.

Note: I find the course of the W. 1/2 of the N. bdy. of Sec. 2, and the N. bdy. of sec. 3 T. 38 S., R.9 W. to be S. 89°46' W.; therefore, I change the course of my line to S. 89°46' W.

38.90

Top of ascent, 100 ft. above closing T. cor., bears NW and S. 70° E.

Descend abruptly over W. slope of Cedar Mountain.

24
RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

Chains.

- 40.00 Set a limestone 18x12x6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which
A birdeye pine 14 ins. dia., bears N. 13-1/2° E. 49 lks.
dist., mkd. 1/4 S 36 B T.
A birdeye pine 12 ins. dia. bears N. 29° W. 31 lks. dist.
mkd. 1/4 S 36 B T.
- 60.13 Raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor.
The cor. of secs. 2, 3, 34 and 35, which is a sandstone 12x12x8 ins., above ground, firmly set, and marked and witnessed as described by the Surveyor General.
I destroy all marks on this old cor. Pertaining to T.37 S.
- 77.20 Bottom of ravine about 800 ft. below top of mountain, course SW.
Ascend.
- 80.00 Set a limestone 18x6x5 ins., 12 ins. in the ground, for cor. of secs. 35 and 36, marked with 1 notch on E. and 5 notches on W. edges; from which
A red pine 16 ins. dia., bears N. 40-1/4° E. 37 lks.
dist., mkd. T 37 S R 9 W S 36 B T.
A balsam 16 ins. dia., bears N. 44-3/4° W. 54 lks. dist.,
mkd. T 37 S R 9 W S 35 B T.
- Land mountainous.
Soil, sandy and rocky; 3rd. and 4th. rate.
Timber, pine, spruce, aspen and balsam.
Undergrowth, cherry and oak.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

15.

RESURVEY OF
South Boundary of T.37 S., R.9.W.-Continued.

Chains.

S.89° 46' W.on a true line along S.bdy.of sec.35.
Over mountainous land;through heavy timber and dense undergrowth.

Ascend.

4.00

Top of spur 75 ft.above cor.bears NNE and SW.

Descend.

19.99

The $\frac{1}{4}$ sec.cor.bet.secs.3 and 34,which is a sandstone 8x16x8 ins.above ground,firmly set and marked and witnessed as described by the Surveyor General.

I destroy all marks on this cor.pertaining to T.37 S.

21.45

Ravine 70 lks.wide 50 ft. deep,course SW.

28.40

Wash 20 lks.wide,10 ft.deep,course SW.

38.45

Wash 20 lks.wide,10 ft.deep,course SW.

40.00

Set a yellow sandstone 15x9x6 ins.,10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N. face;from which

A balsam 3 ins.dia.,bears N.56 $\frac{1}{2}$ ° E.23 lks.dist.,
mkd. $\frac{1}{4}$ S 30 T.

Raise a mound of stone 2 ft; base 1 $\frac{1}{2}$ ft.high N of Cor.
Sept.5,1910, At this $\frac{1}{4}$ cor.the sky is overcast at the noon hour and lat. obs.impossible.

41.50

Begin more gradual descent bears N.and S.

43.20

Begin abrupt descent,bears NW and SE.

45.10

Creek 3 lks.wide 6 ins.deep,rapid current in hollow 350 ft.below spur,course SE.

Ascend.

46.75

Road bears N.and E.

59.96

The cor.of secs.3,4,33 and 34,which is a sandstone 10x10x4 ins.above ground,firmly set and marked and witnessed as described by the Surveyor General.

I destroy all marks on this cor.which pertain to T.37 S.

Note:-.

I find the course of the E. $\frac{1}{2}$ of the N.bdy.of Sec.4,T.38 S.,R.9 W. to be N.89°46'W.;therefore I change the

16.
RESURVEY OF
South Boundary of T.37 S., R 9 W.-Continued.

Chains.

course of my line to N.89°46' W.

66.60 Top of ridge, 150 ft. above hollow, bears N. and S.
Descend.

76.00 Foot of steep descent bears N.10° W. and S.10° E.
Descend more gradually.

80.00 Set a yellow sandstone 16x10x6 ins., 11 ins. in the
ground, for cor. of secs. 34 and 35, marked with 2 notches
on E. and 4 notches on W. edges; from which

An aspen 4 ins. dia., bears N.73½° E. 52 lks. dist.,
mkd. T 37 S R 9 W S 35 B T.

A black jack pine 20 ins. dia., bears N.85½° W.
190 lks. dist., mkd. T 37 S R 9 W S 34 B T.

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
Land mountainous.

Soil, sandy and gravelly; 3rd. and 4th. rate.

Timber, pine, spruce, balsam and aspen.

Undergrowth, oak, chokecherry and aspen saplings.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

N.89° 46' W. on a true line along S. bdy. sec. 34.

Over mountainous land; through scattering timber and
dense undergrowth.

Descend.

20.30 The ¼ sec. cor. bet. secs. 4 and 33, which is a sandstone
9x8x4 ins. above ground, firmly set and marked and wit-

17.

RESURVEY OF

South Boundary of T.37 S., R.9 W.-Continued.

Chains.

nessed as described by the Surveyor General.

I destroy all marks on this cor. which pertain to T. 37 S.

Note:-I find the course of the $W\frac{1}{2}$ of the N.bdy. of sec. 4, T.38 S., R.9 W. to be $S.89^{\circ}39' W.$; therefore I change the course of my line to $S.89^{\circ} 39' W.$

- 22.25 Ravine 2.00 chs. wide, 100 ft. deep, course $S.20^{\circ}W.$
Ascend.
- 23.65 Top of ridge 75 ft. above ravine bears N. and S.
Descend.
- 26.65 Bottom of hollow, 150 ft. below ridge, course S.
Ascend.
- 27.10 Trail bears $N.20^{\circ} E.$ and $S.20^{\circ} W.$
- 31.75 Ravine 2.00 chs. wide and 50 ft. deep, course SW.
- 33.25 Ravine 20 ft. deep, course SW.
- 37.25 Top of ridge 50 ft. above last ravine bears $S.20^{\circ} W$
and N.
Descend.
- 40.00 Set a yellow sandstone $15 \times 8 \times 4$ ins. 10 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound
of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
- 50.00 Ravine 75 lks. wide 50 ft. deep, course SW.
Ascend.
- 51.60 Top of ridge 100 ft. above ravine bears NE and SW.
Descend.
- 54.25 Ravine 75 lks. wide 30 ft. deep, course SW.
- 55.25 Top of ridge 100 ft. above ravine bears NE and SW.
Descend.
- 57.95 Trail bears $N.15^{\circ} E.$ and $S.15^{\circ} W.$
- 58.70 Wash 25 lks. wide, 10 ft. deep, in hollow 100 ft. below
ridge, course $S.15^{\circ} W.$
Ascend.

18.
RESURVEY OF
South Boundary of T.37 S., R.9 W. - Continued.

Chains.

- 59.72 The cor. of secs. 4, 5, 32 and 33, which is a sandstone 20x24x8 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.
I destroy all marks on this cor. which pertain to T.37 S.
Note:- I find the course of the E $\frac{1}{2}$ of the N. bdy. of Sec. 5, T.38 S., R.9 W. to be S. 89° 46' W.; therefore I change the course of my line to S. 89° 46' W.
- 60.65 Road bears N. 20° W. and S. 20° E.
- 61.35 Enter heavy aspen timber bears N. and S.
- 63.65 Leave timber bears N. and S.
- 75.50 Top of ridge 300 ft. above hollow, bears N. 20° W. and S. 20° E.
Descend.
- 77.30 Descend more rapidly bears N. and S.
- 80.00 Set a brown sandstone 24x8x6 ins., 18 ins. in the ground, for cor. of secs. 33 and 34, marked with 3 notches on E. and 3 notches on W. edges; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft high W. of cor.
Land mountainous.
Soil, sandy loam and gravelly; 2nd. and 3rd rate.
Timber, pine, spruce, balsam and aspen.
Undergrowth, oak, cherry and aspen saplings.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

September 5, 1910.

19.
RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

Chains

- S.89°.46' W.on a true line along S.bdy.sec.33.
Over mountainous land.
Through dense undergrowth.
Descend.
- 6.25 Trail bears N. and S.
- 7.60 Enter heavy aspen timber bears N. and S.
- 11.10 Leave heavy and enter scattering aspen timber, bears NE and SW.
- 11.30 Trail bears N. and S.
- 11.80 Old road bears N. and S.
- 12.10 Spring branch 1 link wide, 1 inch deep, in hollow 250 ft. below sec. cor., course S.
Ascend over SE slope of ridge.
- 12.50 Road bears N. and S.
- 19.55 The $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32, which is a sandstone 9x10x8 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.
I destroy all marks on this cor. which pertains to T.37 S.
Note:- I find the course of the W¹ of the N. bdy. of Sec. 5, T.38 S., R.9 W. to be S.89°50' W.; therefore, I change the course of my line to S.89°50' W.
- 29.80 Top of ridge 250 ft. above hollow, bears N.20° E. and S. 20° W.
Descend gradually.
- 39.50 Enter heavy aspen timber bears N. and S.
- 40.00 Set a yellow sandstone 18x7x6 ins. 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which
An aspen 6 ins. dia., bears N.21 $\frac{1}{2}$ °E. 44 lks. dist.,
mkd. $\frac{1}{4}$ S.33 B T.
An aspen 3 ins. dia. bears N.70°W. 35 $\frac{1}{2}$ lks. dist.
mkd. $\frac{1}{4}$ S.33 B T.
Begin abrupt descent over W. slope of ridge, bears N. and S.

25.
RESURVEY OF
South Boundary of T.37 S., R.9 E. - Continued.

Chains.

- 45.55 Foot of descent 250 ft. below $\frac{1}{4}$ sec. cor., bears N.10°E.
and S.10°W.
Enter bottom of Deep Creek canon.
- 47.05 Deep Creek, 4 lks.wide, 12 ins.deep, course S.10°W.
- 48.55 Leave canon bottom bears N.10°E.and S.10° W.
Ascend abruptly.
- 50.50 Top of steep ascent bears N. and S.
Ascend gradually.
- 51.00 Road bears N. and S.
- 52.50 Leave timber bears N. and S.
- 57.00 Top of ridge 250 ft. above hollow bears N. and S.
Descend gradually.
- 59.94 The cor. of secs.5,6,31 and 32, which is a sandstone
20x15x4 ins.above ground, firmly set and marked and
witnessed as described by the Surveyor General.
I destroy all marks on this cor.which pertain to T.
37 S.
Note:- I find the East half of the N. bdy.of sec.6 to
be on a course of N.89°17' W.; therefore I change my
course on the true line
N.89° 17' W.
- 61.00 Begin abrupt descent bears N. and S.
- 64.50 Foot of descent 200 ft.below ridge, bears NE and SW.
Enter canon bottom.
- 66.50 Creek 3 lks.wide 12 ins.deep, course SW.
- 69.90 Branch of same creek 2 lks.wide, 6 ins.deep, course S.
40° W.
- 70.10 Trail bears N 40° E. and S.40° W.
- 70.10 Leave canon bottom bears N 40° E. and S. 40° W.
Ascend.
- 74.50 Top of rocky spur 150 ft.above canon bears NW and SE.
Descend.

21
RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

chains.

77.25

Bottom of gulch 200 ft. deep, course S.15° E.
creek 1 ft. wide, 3 ins. deep, course S.15° E.
Ascend abruptly.

77.45

Trail, bears N.15° W. and S.15° E.

80.00

Set a volcanic stone 18x12x5 ins., 12 ins. in the ground,
for cor. of secs. 32 and 33, marked with 4 notches on E.
and 2 notches on W. edges;

No trees within limits; raise a mound of stone 2 ft.
base, 1½ ft. high W. of cor.

Note:-This cor. is on top of ridge which bears N.10° W.
and S.10° E.

Land Mountainous.

Soil, sandy loam and gravelly; 2nd. and 3rd. rate.

Timber, aspen and a few pines.

Undergrowth, oak, chokecherry and aspen saplings.

Good grass for grazing.

Mountainous or heavily timbered land or land covered
with dense undergrowth, 80.00 chs.

September 6, 1910: At this cor. I set off 6° 35' N. on the
Decl. arc., and at 11h 59 m a.m. l.m.t. observe the sun on
the meridian; the resulting Lat. is 37° 33' N. which is
the proper Lat. nearly.

September 6, 1910: At 1h 59m P.M., l.m.t., I set off 37°
33' N. on the lat. arc: 6° 33' N. on the decl. arc: and
determine a meridian with the solar at the cor. of
secs. 32 and 33.

Thence I run

N. 89° 17' W. on a true line along S. bdy. of sec. 32.

Over mountainous land; through dense undergrowth.

22.
RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

Chains.	
	Descend.
4.20	Trail bears N.40° W.and S.40° E.
4.50	Bottom of hollow 150 ft.below spur, course SE. Enter dense willows bears NW and SE.
6.10	Leave willows bears NW and SE.
6.55	Trail bears NW and SE. Enter heavy aspen timber bears NW and SE. Ascend from hollow, bears N20°W.and S.20°E.
19.46	The $\frac{1}{4}$ sec.cor.bet.secs.6 and 31, which is a sandstone 10x8x3 ins.above ground, firmly set and marked and wit- nessed as described by the Surveyor General. I destroy all marks on this $\frac{1}{4}$ sec.cor.which pertain to T.37 S. Note:-I find the W. $\frac{1}{2}$ of the N.bdy.of sec.6 to be on a course of N.89° 53' W.; therefore I change the course of my line to N.89° 53' W.
26.60	Old road bears N.15° W.and S.15° E.
34.75	Top of ridge 250 ft.above hollow bears N. and S. Descend.
40.00	Set a yellow sandstone 14x9x6 ins., 9 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N. of cor. This cor.is 50 ft.below top of ridge.
44.00	Enter aspen timber bears N. and S.
48.10	Bottom of hollow 250 ft.below $\frac{1}{4}$ sec.cor., course SW.
49.55	Kanarra Creek, 11 lks.wide, 6 ins.deep, in bottom of this hollow.Ascend.
51.05	Trail bears N. and S.
52.75	Edmund Williams House bears S. about 10.00 chs.dist.
57.59	The cor.of Tps.38 S., Rs.9 and 10 W., which is a lava stone 10x10x6 ins.above ground, firmly set and marked and witnessed as described by the Surveyor General.

RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

Chains.

Note:- I find the course of the E. $\frac{1}{2}$ of the N.bdy. of sec.1, Tp.38 S., R.10 W. to be N.89° 39' W.; therefore I change the course of my line to N.89° 39' W.

63.20

Foot of lava mesa bears NE and SW.

Ascend abruptly.

64.05

Trail bears SW and NE.

64.20

Top of ascent 75 ft. above foot of mesa bears NE and SW.

Thence across nearly level mesa.

Enter scattering pine timber bears NE and SW.

67.15

Fence bears NW and SE.

80.00

Set a volcanic stone 15x8x6 ins., 10 ins. in the ground, for cor. of secs. 31 and 32, marked with 5 notches on E. and 1 notch on W. edges; from which

An aspen 3 ins. dia., bears N. 33 $\frac{1}{4}$ ° E. 42 lks. dist.,
mkd. T 37 S R 9 W S 32 B T.

An aspen 3 ins. dia., bears N. 28° W. 45 lks. dist.,
mkd. T 37 S R 9 W S 31 B T.

Land mountainous and nearly level mesa.

Soil, loamy, gravelly and rocky; 1st, 3rd. and 4th. rate.

Timber, pine, spruce, balsam and aspen.

Undergrowth, oak, sage, chokecherry and aspen saplings.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth.

80.00 chs.

N.89° 39' W. on a true line along S.bdy. sec.31.

Over nearly level mesa; through scattering timber and

37
RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

Chains.

dense undergrowth.

Ascend gradually.

4.00 Leave mesa bears N.15° E. and S.15° W.

Ascend abruptly.

5.50 Top of ascent 50 ft. above mesa bears N.15° E. and S.15° W.

Thence over rolling mesa.

Ascend gradually.

14.50 Top of lava ridge 250 ft. above sec. cor., bears N. and S.
Descend gradually.

17.40 The $\frac{1}{4}$ sec. cor. on N. bdy. of sec. 1, T.38 S., R.10 W.,
which is a volcanic stone 10x16x10 ins. above ground,
firmly set and marked and witnessed as described by
the Surveyor General.

I destroy all marks on this cor. which pertain to
T.37 S.

Note:- I find the course of the W. $\frac{1}{4}$ of the N. bdy. of
sec. 1, T.38 S., R.10 W. to be N.89° 40' W.; therefore I
change the course of my line to
N.89° 40' W.

32.00 Road bears N.15° E. and S.15° W.

33.00 Road bears N.15° E. and S. 15° W.

34.00 Enter heavy timber bears N. and S.

40.00 Set a lava stone 15x12x9 ins., 10 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

An aspen 6 ins. dia., bears N. 77 $\frac{1}{2}$ ° E. 41 lks. dist.,
mkd. $\frac{1}{4}$ S 31 E T.

An aspen 8 ins. dia. bears N. 14 $\frac{1}{2}$ ° W. 112 lks. dist.,
mkd. $\frac{1}{4}$ S 31 E T.

44.00 Enter mesa bears N. and S.

Leave timber and undergrowth bears N. and S.

47.10 Enter aspen and pine timber bears N. and S.

25
RESURVEY OF
South Boundary of T.37 S., R.9 W.-Continued.

Chains.

56.00 Leave mesa bears N. and S.

Ascend volcanic ridge.

59.90 Top of ridge 50 ft. above mesa, bears N. and S.

Descend gradually.

74.35 Bottom of hollow 35 ft. below ridge, course S.

Ascend.

74.90 The closing cor. of Tps. 37 and 38 S., Rs. 9 and 10 W., which is a volcanic stone 9x12x10 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.

Note:- The North-east bearing tree for this cor. is marked for sec. 30; therefore I change the marking to S 31.

Note:- This closing cor. is reported by the Surveyor General to be 10.55 chs. S. of the cor. of secs. 25, 30, 31 and 36, which is a volcanic stone 7x12x7 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General, except that the bearing trees are nearly decayed; and as this cor. will be the cor. for secs. 25 and 36 only, I mark new bearing trees as follows:

An aspen 8 ins. dia., bears S. 59° W. 22 lks. dist.,
mkd. T 37 S R 10 W. S 36 B T.

An aspen 9 ins. dia., bears N. 69½° W. 80 lks. dist.,
mkd. T 37 S R 10 W S 25 B T.

I remeasure the closing distance bet. this cor. and the closing corner of Tp. 37 S. R. 9 W. and T. 38 S. R. 10 W. and find it to be 8.64 chs. instead of 10.55 chs. as given by the Surveyor General.

Land mountainous and rolling mesa.

Soil, clay and sandy loam and stone; 2nd. and 4th. rate.

Timber, aspen and pine.

Chains.

Undergrowth, aspen saplings, chokecherry and oak. 00.00

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 74.90 chs.

September 6, 1910.

Mayhew H. Dalley
U.S. Deputy Surveyor.

BOUNDARIES OF T.37 S., R.9 W.

Latitudes departures and closing errors.

Line Designated.	True Bearing.	Dist. ance. Chs.	Latitudes.		Departures.	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
N.bdy.T.37 S.R.9 W.	N.89°53'E.	312.46	.64		312.46	
N.bdy.T.37 S.R.9 W.	East.	160.00			160.00	
S.bdy.T.37 S.R.9 W.	South.	413.82		413.82		
S.bdy.T.37 S.R.9 W.	S.89°57'W.	20.60		.02		20.60
S.bdy.T.37 S.R.9 W.	S.89°46'W.	119.36		.49		119.36
S.bdy.T.37 S.R.9 W.	N.89°46'W.	40.34	.16			40.34
S.bdy.T.37 S.R.9 W.	S.89°39'W.	39.42		.24		39.42
S.bdy.T.37 S.R.9 W.	S.89°46'W.	39.83		.16		39.83
S.bdy.T.37 S.R.9 W.	S.89°50'W.	40.39		.12		40.39
S.bdy.T.37 S.R.9 W.	N.89°17'W.	39.52	.49			39.52
S.bdy.T.37 S.R.9 W.	N.89°53'W.	38.13	.08			38.13
S.bdy.T.37 S.R.9 W.	N.89°39'W.	39.90	.24			39.90
S.bdy.T.37 S.R.9 W.	N.89°40'W.	57.41	.33			57.41
W.bdy.T.37 S.R.9 W.	North.	8.64	8.64			
W.bdy.T.37 S.R.9 W.	N.1°40'E.	40.27	40.25		1.17	
W.bdy.T.37 S.R.9 W.	N.0°22'W.	40.44	40.44			.26
W.bdy.T.37 S.R.9 W.	N.0°3'E.	40.34	40.34		.04	
W.bdy.T.37 S.R.9 W.	N.0°12'E.	40.37	40.37		.14	
W.bdy.T.37 S.R.9 W.	N.0°56'W.	39.59	39.59			.64
W.bdy.T.37 S.R.9 W.	N.0°34'E.	40.90	40.90		.30	
W.bdy.T.37 S.R.9 W.	N.0°36'E.	32.08	32.08		.36	
W.bdy.T.37 S.R.9 W.	N.0°50'E.	40.65	40.65		.58	
W.bdy.T.37 S.R.9 W.	N.0°12'E.	40.76	40.76		.14	
Convergency					.47	
Totals-----			415.06	414.35	476.57	475.80
			414.85		475.30	
Error in Lat.-----			.21			
Error in Dep.-----					.47	

GENERAL DESCRIPTION.

For General Description see notes of subdivision
of this township.

Mayhew H. Dalley

U.S. Deputy Surveyor.

**Volume

R0373**

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Mayhew H. Dalley

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of E. and S. Bdays. of resurvey of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

showing the respective capacities in which they acted:

- Hillman Dalley, Chainman.
Edward H. Parry, Chainman.
James A. Tweedie, Moundman.
Edward H. Parry, Moundman.
James A. Tweedie, Arman.
Maeser Dalley, Arman.
Maeser Dalley, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Mayhew H. Dalley

United States Deputy Surveyor, in surveying all those parts or portions of the E. and S. Bdays. of Tp. No. 37 S. of R. No. 9 W.,

of the Salt Lake

Base and meridian, STATE of UTAH, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for the State of Utah.

Hillman Dalley, Chainman.
Edward H. Parry, Chainman.
James A. Tweedie, Moundman.
Edward H. Parry, Moundman.
James A. Tweedie, Arman.
Maeser Dalley, Arman.
Maeser Dalley, Flagman.

Subscribed and sworn to before me this 18th. day of October, 1910.



May 16th. 1911. Notary Public, Iron County, Utah.

Lenora C. Dalley

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Mayhew H. Dalley, United States Deputy Surveyor,
 solemnly swear that, in pursuance of a contract received from Thomas Hull
 United States Surveyor General for the State of Utah, bearing date of
11th. day of June, A.D. 1910, ###, I have well, faithfully, and truly, in my
 proper person, and in strict conformity with the instructions furnished by the United States Survey
 General for the State of Utah, the Manual of Surveying Instructions, and the laws of
 United States, surveyed all those parts or portions of E. and S. Bds. of Tp. No. 37 S. of R.
No. 9 W., of the Salt Lake Base and Mer.

_____ of the Salt Lake
Base and _____ meridian, in the State of Utah, which are represented in the
 foregoing field notes as having been surveyed by me, and under my direction; and I do further solemn
 swear that all the corners of said survey have been established and perpetuated in strict accordance with
 the Manual of Surveying Instructions, and the special written instructions of the United States Survey
 General for the State of Utah and in the specific manner described in the field notes, and that
 the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Mayhew H. Dalley
 United States Deputy Surveyor

Subscribed by said Mayhew H. Dalley and sworn to before me }
 this 10th. day of May, 1912. ###



Charles H. Williams
 Clerk of District Court.
 Fifth Judicial District,
 Iron County, Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 20, 1912

The foregoing field notes of the survey of the East and South Boundaries of
Township No. 37 South, Range No. 9 West of the Salt Lake Base and
Meridian, Utah,

executed by Mayhew H. Dalley
 under his contract No. 321, dated June 11, 1910, ~~1899~~, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the
 surveys they describe, are hereby approved.

Thomas Hull
 United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
 _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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Retracement
M. Ddy T375 R97
678.

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WJH

BOOK A-373
6.

M.S.B.

FIELD NOTES

RETRACEMENT
OF THE SURVEY OF THE
WEST BOUNDARY

of

Township No. 37 South, Range No. 9 West,

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Mayhew H. Dalley, United States Deputy Surveyor,

Under his Contract No. 321, dated June 11th, A.D. 1910., ###

Survey commenced September 7th. 1910., ###

Survey completed September 8th. 1910., ###

Retr. W. Ddy 5-13-14

NAMES AND DUTIES OF ASSISTANTS.

Hillman Dalley,

Chainman.

Edward W. Parry,

Chainman.

James A. Tweedie,

Moundman.

Edward W. Parry,

Moundman.

James A. Tweedie,

Axman.

Maeser Dalley,

Axman.

Maeser Dalley,

Flagman.

BOOK A-373

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Hillman Dalley and Edward H. Parry

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ^{retracement} survey of W. Bdy. of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

Hillman Dalley, Chainman.
Edward H. Parry, Chainman.

Subscribed and sworn to before me this 8th.

day of August, 1910.



My Commission Expires

May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

WE, James A. Tweedie and Edward H. Parry

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the ^{retracement} survey of W. Bdy. of Tp. No. 37 S., of R. No. 9 W., of the Salt Lake Base and Mer.

James A. Tweedie, Moundman.
Edward H. Parry, Moundman.

Subscribed and sworn to before me this 8th.

day of August, 1910.



May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

WE, James A. Tweedie and Maeser Dalley

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the ^{retracement} survey of W. Bdy. of Tp. No. 37 S., of R. No. 9 West, of the Salt Lake Base and Mer.

James A. Tweedie, Axman.
Maeser Dalley, Axman.

Subscribed and sworn to before me this 8th.

day of August, 1910.



May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

I, Maeser Dalley

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ^{retracement} survey of W. Bdy. of Tp. No. 37 S. of R. No. 9 W. of the Salt Lake Base and Mer.

Maeser Dalley, Flagman.

Subscribed and sworn to before me this 8th.

day of August, 1910.



May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

1.

Retracement of West Boundary of T.37 S., R.9 W.

Chains.

8.

Survey commenced September 7, 1910, and executed with the same Instrument used in the Survey of the East Boundary of T.37 S., R.9 W., and described in the field Notes thereof.

I know the Instrument to be in adjustment from complete test made September 2 and 3, 1910, at the S.W. Cor. of Tp.36 S., R.9 W., and recorded in the field Notes of the Survey of E.bdy. of T.37 S., R.9 W.

September 7, 1910: At the closing cor. Tp.37 S. R.9 W. and T38 S., R.10 W., heretofore described, I set off 37401' N. on the Lat. arc: 6°16' N. on the Decl. arc, and at 7h 53m a.m., l.m.t., determine a meridian with the solar. Thence I run North on retracement line betw. Secs. 31 and 32. Over mountainous land; through heavy timber. Ascend gradually.

8.64 The cor. of Secs. 25 and 36, on E.bdy. T.37 S., R.10 W., heretofore described.
Land mountainous. and nearly level.
Soil, clay and sandy loam; 1st. rate.
Timber, aspen and pine.
Good grass for grazing.
Mountainous or heavily timbered land 8.64. chs.

Retracement of West Boundary of T.37 S., R.9 W.-Continued.

Chains.

From the old cor secs.25 and 36 on E.bdy.T.37 S.,R.10

W., I run

North on retracement line on E.bdy.sec.25.

Over mountainous land; through heavy timber and dense
buck brush.

Ascend,

40.25

Fall 117 lks.W.of the old $\frac{1}{4}$ cor.secs.25 and 30, which
is a volcanic stone 8x7x6 ins.above ground, firmly set
and marked and witnessed as described by the Surveyor
General.

The course of this line is therefore N.1°40' E.40.27 chs.
The bearing tree to sec.25 being badly decayed, I re-
mark new bearing tree as follows:

An aspen 3 ins.dia., bears S.5½°W.114 lks.dist.,

Mkd. $\frac{1}{4}$ S.25 B T.

Raise a mound of stone 2 ft.base 1½ ft.high W.of cor.

From this old $\frac{1}{4}$ sec.cor., I run

North on retracement line along the N.½ of E.bdy.
sec.25.

40.44

Fall 26 lks E.of the old cor.secs.24,25,19 and 30.

which is a volcanic stone 8x7x3 ins.above ground,
firmly set and marked and witnessed as described by
Surveyor General.

The course of this $\frac{1}{2}$ mile is therefore N.0°22' W.40.44 Chs.

Note;-No change in topography from that given in or-
iginal notes of this survey.

September 7, 1910: At this cor. I set off 6°12' N. on the
decl arc; and at 11h 58m a.m., l.m.t., observe the sun on
the meridian; the resulting lat. is 37°35' N., which is
the proper lat. nearly.

Retracement of West Boundary of T.37 S., R.9 W.-Continued.

Chains.

From the old cor. of secs. 24, 25, 19 and 30 on E. bdy. T.37 S., R.10 W.,

I run

North on retracement line along the E. bdy. of sec. 24.

- 40.34 Fall 4' lks. W. of the old cor. secs. 19 and 24, which is a volcanic stone 6x6x6 ins. above ground, firmly set and marked and witnessed as described by the Surveyor General.

Note:-The course of this $\frac{1}{2}$ mile is N. $0^{\circ}3'$ E. 40.34 chs. From the old $\frac{1}{4}$ sec. cor. I continue N. along E. bdy. N. $\frac{1}{2}$ sec. 24.

- 40.37 Fall 14' lks. W. of the old cor. of secs. 13, 24, 18 and 19, which is a volcanic stone 13x13x13 ins. firmly set in mound of volcanic stone in bed of volcanic boulders. The course of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}12'$ E. 40.37 chs.

There is no change in topography from that given in original notes of this survey.

September 7, 1910.

September 8, 1910: At 8h 58m a.m., l.m.t., I set off $37^{\circ}36'$ N. on the lat. arc; $5^{\circ}53'$ N. on the decl. arc; and determine a meridian with the solar at the old cor. of secs. 13, 19, 13 and 24, on E. bdy. T.37 S., R.10 W., heretofore described.

Thence I run

North on retracement line along the E. bdy. of sec. 13. Over mountainous land; through volcanic boulders.

Retracement of West Boundary of T.37 S., R.10 W. - Continued.

Chains.

Descend.

4.00 Leave volcanic boulders, and enter heavy aspen, fir and pine timber and dense oak and buck brush.

18.40 A small creek from spring, runs NW; heads 3.00 chs SE.

36.80 A spring 50 lks. E. of line; creek 2 lks. wide, 1 in. deep, runs NW.

39.59 Fall 65 lks. E. of the old $\frac{1}{4}$ cor. secs. 13 and 18, which is a quaking asp 14 ins. dia., marked and witnessed as described by the Surveyor General.

Note:-this cor. is so badly decayed I remove the same and re-establish the cor. as follows:

Set a trachyte stone 14x10x5 ins., 9 ins. in the ground for $\frac{1}{4}$ cor. sec. 13, T.37 S., R.10 W., marked $\frac{1}{4}$ on W. face; from which

A spruce 13 ins. dia., bears S. $39\frac{1}{4}^{\circ}$ W. 19 lks. dist., mkd. $\frac{1}{4}$ S 13 B T.

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

I. continue my line N.

49.60 Point from which Mary Gower's cabin bears N. $22^{\circ}30'$ E.

61.34 Creek 4 lks. wide, 3 ins. deep, in bottom of canon 400 ft. below sec. cor., course N. 35° W.

Ascend.

63.80 Road to Mary Gower's cabin bears N. 35° W. and S. 35° E. Leave heavy and enter scattering timber bears N. 30° W and S. 30° E.

64.60 Point from which Mary Gower's cabin bears S. $47^{\circ}30'$ E. about 5.00 chs. distant, a corral is about 130 lks. S. of cabin. Dairy house adjoins W. side of cabin. (alf pen built in NW. cor. of corral.

78.90 Top of sharp ridge 400 ft. above creek, bears NW and SE.

Descend.

Retracement of West Boundary of T.37 S., R.9 W.-Continued.

Chains.

79.59 Fall 25 lks. E. of the old cor. of secs. 7, 12, 13 and 18, which is a sandstone 5x5x3 ins. above ground, firmly set, and marked and witnessed as described by the Surveyor General.

The course of the S. $\frac{1}{2}$ mile is therefore N. 56' W. 39.59 chs.; and the course of the N. $\frac{1}{2}$ mile is N 0° 34' E. 40.00 chs.

Land mountainous and broken.

Soil, sandy loam and gravelly; 3rd. and 2nd. rate.

Timber, pine, fir and quaking asp.

Undergrowth, oak, buck brush and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land or land covered with dense undergrowth 79.59 chs.

North on retracement line along E. bdy. sec. 12, T. 37 S., R. 10 W.

Over mountainous land; through heavy timber.

Descend.

27.90 Old fence on S. side of George H. Wood's field and pasture, bears N. 70° W. and S. 70° E.

30.00 Foot of descent 200 ft. below sec. cor., bears N. 70° W. and S. 70° E.; and enter bottom of canon.

35.00 Leave timber bears E. and W.

37.90 Creek 2 lks. wide, 2 ins. deep, course N. 60° W.

39.60 Fence on N. side of George H. Wood's field and pasture, bears N. 70° W. and S. 70° E.

39.87 Road bears N. 70° W. and S. 70° E.

Retracement of West Boundary of T.37 S., R.9 W. - Continued.

Chains.

- 41.04 Fall 42 lks.W.of the old $\frac{1}{4}$ sec.cor,bet.secs.7 and 12, which is a sandstone badly broken and bearing trees have been cut down.
- I destroy all traces of the old cor. and re-establish it as follows:
- Set a volcanic stone 18x16x12 ins., 12 ins.in the ground for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ on W.face;from which
- A pine 16 ins.dia.,bears S.28° W.,56 lks.dist., marked $\frac{1}{4}$ S 12 B T.
- Raise a mound of stone 2 ft.base,1 $\frac{1}{2}$ ft.high W.of cor.
- 41.47 Branch of Coal Creek,5 lks.wide,6 ins.deep,rocky bottom,rapid current,course N.70° W.
- 42.00 Leave Creek bottom,bears N.70° W. and S.70° E.
- Enter dense undergrowth,bears N.70° W. and S.70° E.
- Ascend.
- 82.08 Fall 85 lks.W.of the old cor.of secs.1,6,7 and 12, which is a sandstone 10x5x8 ins.above ground,firmly set and marked and witnessed as described by the Surveyor General.
- The course of this line is therefore,N.0°36' E.82.08 chs.
- Land mountainous and level canon bottom.
- Soil,sandy and gravelly loam;2nd.rate.
- Timber,pine and aspen.
- Undergrowth,oak and serviceberry.
- Good grass for grazing.
- Mountainous or heavily timbered land,or land covered with dense undergrowth,82.08 chs.
- September 3,1910: At this cor.I set off 5°50' N.on the lat.arc;and at 11h⁵⁸m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 37°37' N.which is the proper lat.nearly.

Retracement of West Boundary of T.37 S., R.9 W.-Continued.

Chains.

North on retracement line along the E.bdy.of sec.1, T. 37 S., R.10 W.

Over mountainous land; through scattering timber and dense undergrowth.

Ascend.

Note:-Topography taken on true line.

2.45 Top of ridge 50 ft.above the sec.cor.bears NW and SE.

Descend.

4.00 From this point Lamoni L.Jones' cabin bears N.72°E.

Dairy house adjoins S.side of cabin.Calf pen 2.75 chs E of cabin.

There is a spring E.of cabin about 2.00 chs dist.

A corral E. of cabin about 3.00 chs dist.

A fenced garden W.of cabin about 2.00 chs dist.

William W. Lunt's cabin bears N.80° E.about 41.00 chs. dist.

There is a cultivated garden about 1.00 ch. S.of this cabin.

20.50 Begin more rapid descent bears SE and NW.

23.00 Trail bears N.30° W. and S.80° E.

30.65 Enter heavy timber bears N.30° W. and S.80° E.

Begin more gradual descent bears E. and W.

32.00 Trail bears N.80° E. and S.80° W.

32.05 A log cabin E.40 lks.dist.

32.30 Fence bears S.80° E. and N.80° W.

32.45 W.side of lumber cabin.

34.45 Center of corral 100 lks.in dia.

39.85 Cor.of fence turning W.is N.20° W., about 30 lks.dist.

Fence bears S.20° E. and N.20° W.

40.65 Fall 58 lks.W.of the old $\frac{1}{4}$ sec.cor.bet.secs.1 and 6, which is a sandstone 9x12x4 ins.above ground, firmly set and marked and witnessed as described by the

Retracement of West Boundary of T.37 S., R.9 W. - Continued.

Chains.

Lined 30

Surveyor General.

Note:-The old marks on W.bearing tree, being in the bark and almost obliterated, I mark new bearing tree as follows;

An aspen 10 ins.dia., bears N.86° W.35 lks.dist.,
mkd. $\frac{1}{4}$ S 1 B T.

44.80 Trail bears N.50° W. and S.50° E.

Leave heavy and enter scattering timber bears N.50°W.
and S.50° E.

45.25 Moot's Creek 2 lks.wide, 3 ins.deep, in bottom of hollow,
300 ft.below top of ridge, course N.60° W.

Ascend.

45.94 Road bears N.60° W. and S.60° E.

79.45 Top of ridge 300 ft.above hollow, bears NW and SE.

81.41 Fall 72 lks.W.of the cor.of Tps.36 and 37 S., Rs.9
and 10 W., heretofore described.

The course of the S. $\frac{1}{2}$ mi. is therefore N.50° E.40.65
chs.; and of the N. $\frac{1}{2}$ mile N.0°12'E.40.76 chs.

Land mountainous.

Soil, loam and gravelly; 1st. and 3rd. rate.

Undergrowth, oak, serviceberry and chokecherry, with
willows along "Moot's Creek".

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 81.41 chs.

September 3, 1910.

Mayhew H. Dallery
U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Mayhew H. Dalley
....., United States Deputy Surveyor, to assist in running, measuring, and
retracement
marking the lines and corners described in the foregoing field notes of the survey of W. Bdy. of Tp.
No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.
.....
showing the respective capacities in which they acted:
Hillman Dalley,....., Chainman.
Edward H. Parry,....., Chainman.
James A. Tweedie,....., Moundman.
Edward H. Parry,....., Moundman.
James A. Tweedie,....., Arman.
Maeser Dalley,....., Arman.
Maeser Dalley,....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Mayhew H. Dalley
....., United States Deputy Surveyor, in retracing
those parts or portions of the W. Bdy. of Tp. No. 37 S. of R. No. 9 W.
.....
..... of the Salt Lake
Base and meridian, State of Utah, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for the State of Utah.

Hillman Dalley..... Chainman.
Edward H. Parry..... Chainman.
James A. Tweedie..... Moundman.
Edward H. Parry..... Moundman.
James A. Tweedie..... Arman.
Maeser Dalley..... Arman.
Maeser Dalley..... Flagman.

Subscribed and sworn to before me this 18th.
day of October, 1910. }
My Commission expires May 16th, 1911.



Senora C. Dalley
Notary Public, Iron County, Utah.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Mayhew H. Dalley, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract received from Thomas Hull
United States Surveyor General for the State of Utah, bearing date of
11th day of June, A.D. 1910, ~~##~~, I have well, faithfully, and truly, in my
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for the State of Utah, the Manual of Surveying Instructions, and the laws of the
United States, ~~surveyed~~ ^{retraced} all those parts or portions of W. Bdy. of Tp. No. 37 S., of R. No. 9
W.

of the Salt Lake
Base and meridian, in the State of Utah, which are represented in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General for the State of Utah and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such ~~survey~~ ^{retracement}, and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Mayhew H. Dalley
United States Deputy Surveyor

Subscribed by said Mayhew H. Dalley, and sworn to before me }
this 10th day of May, 1912 ~~##~~



Chas. W. Adams
Clerk of District Court.
Fifth Judicial District
Iron Co, Utah,

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 20, 1912

The foregoing field notes of the ~~survey of~~ retracement of the West Boundary of
Township No. 37 South, Range No. 9 West of the Salt Lake Base and
Meridian, Utah,

executed by Mayhew H. Dalley
under his contract No. 321, dated June 11, 1910, ~~xxx~~, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
~~surveys~~ ^{retracements} they describe, are hereby approved.

Thomas Hull
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.

United States Surveyor General

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Subdivision

4-679.

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BOOK A-373

19.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No. 37 South, Range No. 9 West

of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Wayne W. Dalley

United States Deputy Surveyor.

Under his Contract No. 321, dated June 11th. A.D. 1910. ###

Survey commenced September 9th. 1910. ###

Survey completed September 20th. 1910. ###

6-101

high 53-54-18
low 52-50

55-50

Filed May 16/12
WJH

NAMES AND DUTIES OF ASSISTANTS.

Hillman Dalley,

Chairman.

Edward H. Parry,

Chainman.

James A. Tweedie,

Moundman.

Edward H. Parry,

Moundman.

James A. Tweedie,

Axman.

Maeser Dalley,

Axman.

Maeser Dalley,

Flagman.

Volume
#
R0373

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Hillman Dalley and Edward H. Parry
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Subdivision of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

Hillman Dalley Chainman
Edward H. Parry Chainman

Subscribed and sworn to before me this 8th.
day of August, 1910. ~~188~~



My Commission Expires
May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

WE, James A. Tweedie and Edward H. Parry
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Subdivision of TP. No. 37 S. of R. No. 9 W. of the Salt Lake Base and Mer.

James A. Tweedie Moundman
Edward H. Parry Moundman

Subscribed and sworn to before me this 8th.
day of August, 1910. ~~188~~



My Commission Expires
May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

WE, James A. Tweedie and Maeser Dalley
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Subdivision of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

James A. Tweedie Axman
Maeser Dalley Axman

Subscribed and sworn to before me this 8th.
day of August, 1910. ~~188~~



My Commission Expires
May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

I, Maeser Dalley, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Subdivision of Tp. No. 37 S. of R. No. 9 W., of the Salt Lake Base and Mer.

Maeser Dalley Flagman

Subscribed and sworn to before me this 8th.
day of August, 1910. ~~188~~



My Commission Expires
May 16th. 1911.

Senora C. Dalley
Notary Public, Iron County, Utah.

Subdivision of T.37 S., R.9 W.-

chains.

Survey commenced September 9, 1910, and executed with the same instrument used in the Survey of the East Boundary of T.37 S., R.9 W., and described in the field notes thereof.

I examine the adjustments of the Transit and correct the level and collimation errors; then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

September 9, 1910; At the cor. of secs. 35 and 36 on S. bdy. of Tp., heretofore described, latitude $37^{\circ} 32' 58''$ N., longitude $112^{\circ} 47' 09''$ W.; at 1h 57m p.m., l.m.t., I set off $37^{\circ} 33'$ N. on the lat. arc; $5^{\circ} 25'$ N. on the decl. arc; and determine a meridian with the solar and mark a point thereof on a stone set firmly in the ground 5.00 chs. N. of the cor.

At 8h 19.8m p.m., I observe Polaris at Eastern Elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack on a wooden plug driven in the ground 5.00 chs. N. of my station.

September 9, 1910.

September 10, 1910; At 7h 30m a.m., l.m.t., I lay off the Azimuth of Polaris $1^{\circ} 29'$ to the West and mark the meridian thus determined by cutting a cross (X) on the

Subdivision of T.37 D., R.9 W.-Continued.

Chains.

stone already set 5.00 chs.N.of the cor., on which the meridian falls 0.35 ins. E.of the mark determined by the solar.

At 7h 57m a.m., l.m.t., I set off $37^{\circ} 33'$ N. on the lat.arc.; $5^{\circ} 9'$ N. on the decl.arc; and mark a point in the meridian determined with the solar by a small groove cut on the stone already set 5.00 chs.N.of my station; this mark falls 0.35 ins.E.of the meridian established by Polaris observation.

The solar apparatus by p.m., and a.m. observations define positions for meridians respectively about $0^{\circ} 18''$ W. and $0^{\circ} 18''$ E. of the meridian established by Polaris observation; therefore I conclude the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8h 30m a.m., l.m.t., is $N. 15^{\circ} 37'$ W.; the angle thus determined gives the magnetic declination $15^{\circ} 37'$ E.

From the cor. of secs. 35 and 36, on S. bdy. of Tp.

I run

North $0^{\circ} 1'$ W. bet. secs. 35 and 36.

Over mountainous land; through heavy timber, and scattering undergrowth.

Ascend

4.00 Top of spur 200 ft. above sec. cor., bears NE and SW.

Descend.

12.00 Bottom of Ravine 10 ft. deep, course SW.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Ascend.

29.50 Wash 30 lks.wide and 10 ft.deep, course SW.

40.00 Set a lime stone 20x12x12 ins.15 ins.in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which

A red pine 12 ins.dia., bears N.7 $\frac{1}{4}$ ° E.63 lks. dist.,
mkd., $\frac{1}{4}$ S 36 B T.

A red pine 24 ins.dia., bears N.4 $\frac{3}{4}$ ° W 38 lks.dist.,
mkd. $\frac{1}{4}$ S 35 B T.

This cor.is 400 ft.above ravine.

60.00 Top of "Blowhard" Plateau, 300 ft.above $\frac{1}{4}$ sec.cor.,
bears NW and SE.

Descend gradually.

80.00 Set a lime stone 24x16x12 ins., 18 ins.in the ground,
for cor.of secs.25, 26, 35 and 36, marked with 1 notch on
S. and 1 notch on E. edges; from which

A spruce 10 ins.dia., bears N.37° E. 68 lks.dist.,
mkd.T 37 S R 9 W S 25 B T.

A spruce 10 ins.dis., bears S 19 $\frac{1}{2}$ ° E.95 lks.dist.,
mkd.T 37 S R 9 W S 36 B T.

A balsam 8 ins. dia., bears S.32 $\frac{1}{4}$ ° W. 46 lks.dist.,
mkd. T 37 S R 9 W S 35 B T.

A spruce 12 ins.dia., bears N.62° W. 125 lks.dist.,
mkd.T 37 S R 9 W S 26 B T.

This cor. is 50 ft.below top of plateau.

Land mountainous.

Soil, loamy, gravelly and stony; 2nd, 3rd. and 4th. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak and henberry. brush.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

Subdivision of T. 37. S., R. 9. W. - Continued.

Chains.	
	N. $89^{\circ} 49'$ E. on a random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.,
80.08	Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 25, 30, 31 and 36, heretofore described.
	Thence I run
	S. $89^{\circ} 47'$ W. on a true line bet. secs. 25 and 36.
	Over mountainous land; through heavy timber.
	Ascend.
15.50	Top of ridge 150 ft; above sec. cor., bears N. 70° W. and S. 70° E.
	Descend.
22.00	Bottom of Deer Valley hollow, 150 ft. below ridge, course SE.
	Ascend.
40.04	Set a limestone 20x14x8 ins. 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
	A spruce 18 ins. dia., bears N. 50° W 46 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
	A spruce 9 ins. dia., bears S. 80° W. 77 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.
	This cor. is 150 ft. above Deer Valley hollow.
50.00	Hollow 50 ft. deep, course N. 60° E.
	Continue ascent.
64.00	Hollow 150 ft. deep, course N. 70° E.
	Continue ascent.
80.08	The cor. of secs. 25, 26, 35 and 36.
	Land mountainous.
	Soil, loam and gravelly; 2nd. and 3rd. rate.
	Timber, pine, spruce, balsam and aspen.
	Good grass for grazing.
	Mountainous or heavily timbered land, 80.08 chs.

Subdivision of T.37 S., R 9 W.-Continued.

Chains

September 10, 1910; At this cor. I set off $5^{\circ} 4'$ N. on the decl. arc; and, at 11h 57m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ} 34'$ N., which is the proper lat. nearly.

North $0^{\circ} 1'$ W. bet. secs. 25 and 26.

Over mountainous land; through heavy timber.

Descend.

17.00 Bottom of Deer Valley hollow 150 ft. below sec. cor.,
course $S. 70^{\circ} E.$

Ascend.

28.00 Top of ridge, 100 ft. above hollow, bears $N. 65^{\circ} W.$ and $S. 65^{\circ} E.$

Descend.

40.00 Set a lime stone $22 \times 12 \times 4$ ins., 17 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A spruce 6 ins. dia., bears $N. 45\frac{1}{4}^{\circ} E. 24$ lks. dist.,
mkd. $\frac{1}{4}$ S 25 B T.

A balsam 6 ins. dia., bears $N. 71\frac{1}{2}^{\circ} W. 60$ lks. dist.,
mkd. $\frac{1}{4}$ S 26 B T.

Begin more abrupt descent bears E. and W.

51.00 Begin more gradual descent bears E. and W.

56.00 Foot of descent 250 ft. below ridge, bears E. and W.

Leave timber bears E. and W.

Enter Midway Valley.

77.50 Wash 10 lks. wide, 3 ft. deep, water in holes, course $S. 70^{\circ} E.$

78.50 Road bears $N. 70^{\circ} W.$ and $S. 70^{\circ} E.$

Subdivision of T. 37 S., R. 9 W. - continued

Chains.	
79.00	Enter heavy timber bears E. and W. 1.01 miles. Leave Midway Valley bears E. and W. 0.01 miles. Ascend.
80.00	Set a volcanic stone 18x8x6 ins., 12 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edges; from which A balsam 13 ins. dia., bears N. 23½° E. 263 lks. dist., mkd. T 37 S R 9 W S 24 B T. A spruce 18 ins. dia., bears N. 38½° W 135 lks. dist., mkd. T 37 S R 9 W S 23 B T. No other trees within limits; raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Land mountainous and level valley. Soil, loam and gravelly; 1st. and 3rd. rate.. Timber, pine, aspen, spruce and balsam. Good grass for grazing. Mountainous or heavily timbered land, 57.00 chs.
<hr/>	
	N. 89° 47' E. on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs. 19; 24, 25 and 30, heretofore described. Thence I run S. 89° 50' W. on a true line bet. secs. 24 and 25. Over mountainous land; through heavy timber. Descend rapidly.
17.00	Foot of descent, bears S. 70° E. and W.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Leave heavy and enter scattering timber bears S. 70° E. and W.

Thence along N. edge of Midway Valley.

- 40.03 Set a granite stone 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A spruce 14 ins. dia., bears N. 36° W. 284 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.

No other trees within limits; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

- 41.05 East side of corral.

- 43.43 West side of corral.

- 44.40 Enter heavy timber bears N. 60° E. and S. 70° W.

- 66.80 Leave timber bears NW and SW.

- 74.00 Wash 20 lks. wide, 5 ft. deep, course S.

Begin ascent bears S. 70° W. and E.; leave Midway Valley.

- 80.06 The cor. of secs. 23, 24, 25 and 26.

Land mountainous.

Soil, loam and gravelly; 2nd. and 3rd. rate.

Timber, pine, spruce, balsam and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 80.06. chs.

September 10, 1910.

September 12, 1910; At 7h 56m a.m., l.m.t., I set off 37° 35' N. on the lat. arc; 4° 23' N. on the decl. arc; and determine a meridian with the Solar at the cor. of secs. 23, 24, 25 and 26.
Thence I run
North 0° 1' W. bet. secs. 23 and 24.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Over mountainous land; through heavy timber.

Ascend.

16.30 Top of ridge 300 ft. above sec. cor. bears N. 70° W. and S. 70° E.

Descend.

28.80 Bottom of ravine 100 ft. below ridge, course SE.

Ascend.

40.00 Set a volcanic stone 14x10x5 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A balsam 4 ins. dia., bears S. $12\frac{1}{4}^{\circ}$ E. 50 lks. dist.,
mkd. $\frac{1}{4}$ S 24 B T.

A balsam 8 ins. dia., bears N. $23\frac{1}{2}^{\circ}$ W. 19 lks. dist.,
mkd. $\frac{1}{4}$ S 23 B T.

53.00 Top of ascent 50 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.
Leave timber bears E. and W.

Thence across flat.

59.00 Enter heavy timber bears E. and W.

66.50 Leave flat bears E. and W.

Descend.

79.30 Leave timber bears E. and W.

80.00 Set a trachyte stone 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges; from which

A spruce 12 ins. dia., bears N. 4° E. 176 lks. dist.,
mkd. T 37 S R 9 W S 13 B T.

A spruce 11 ins. dia., bears S. $14\frac{1}{4}^{\circ}$ E. 111 lks. dist.,
mkd. T 37 S R 9 W S 24 B T.

A balsam 9 ins. dia., bears S. $36\frac{1}{2}^{\circ}$ W. $70\frac{1}{2}$ lks. dist.,
mkd. T 37 S R 9 W S 23 B T.

A balsam 7 ins. dia., bears N. 56° W. 52 lks. dist.,
mkd. T 37 S R 9 W S 14 B T.

Subdivision of T.37 S., R 9 W.-Continued.

Chains.

Land mountainous and nearly level.

Soil, gravelly; 3rd. rate.

Timber, pine, spruce, balsam and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 50' E. on a random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs 13, 18, 19 and 24, heretofore described.

Thence I run

S. 89° 54' W. on a true line bet. secs. 13 and 24.

Over mountainous land; through heavy timber.

Ascend.

8.70 Top of ascent bears NW and SE.

Leave timber bears NW and SE.

Descend.

12.20 Wash 5 lks. wide 3 ft. deep, water in holes, course SE.

Ascend.

16.70 Enter heavy timber bears N. and S.

35.00 Leave timber bears N. and S.

38.00 Enter heavy timber bears N. and S.

40.02 Set a volcanic stone 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which

A spruce 24 ins. dia., bears N. 35° E. 51 lks. dist.,
mkd. $\frac{1}{4}$ S 13 B T.

A spruce 8 ins. dia., bears S. 81° W. 19 $\frac{1}{2}$ lks. dist.,
mkd. $\frac{1}{4}$ S 24 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

42.00 Leave timber bears N. and S.

46.00 Enter heavy timber bears N. and S.

48.00 An old corral bears S. about 30 lks. dist.

52.00 Leave timber bears N. and S.

57.00 A small spring bears N. about 2.00 chs. dist.
Enter heavy timber bears NW and SE.

65.00 Leave timber bears NE and SW.

69.50 Enter heavy timber bears NE and SW.

78.90 Leave timber bears N. and S.

80.04 The cor. of secs. 13, 14, 23 and 24.
Land mountainous.
Soil, gravelly and stony; 3rd. and 4th. rate.
Timber. pine, spruce, balsam and aspen.
Good grass for grazing.
Mountainous or heavily timbered land, 80.04 chs.
September 12, 1910: At this cor. I set off $4^{\circ} 19'$ N.
on the decl. arc; and, at 11h 56m a.m., l.m.t., observe
the sun on the meridian; the resulting lat. is $37^{\circ} 36'$ N.,
which is the proper lat. nearly.

N. $0^{\circ} 1'$ W. bet. secs. 13 and 14.

Over mountainous land; through heavy timber and dense undergrowth.

Ascend.

15.85 Top of spur 50 ft. above sec. cor. bears NW and SE.
Descend.

26.85 Bottom of swale, 100 ft. below spur, course E.
Ascend.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

35.85

Top of ridge, 75 ft. above swale, bears E. and W.
Descend.

40.00

Set a volcanic stone 15x8x5 ins., 10 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A balsam 12 ins. dia., bears N. 63° E. 32 lks. dist.,
mkd. $\frac{1}{4}$ S 13 B T.

A balsam 14 ins. dia., bears S. $76\frac{1}{2}^{\circ}$ W. 12 lks. dist.,
mkd. $\frac{1}{4}$ S 14 B T.

This cor. is 50 ft. below top of ridge.

78.00

Enter heavy timber bears NE and SW.

80.00

Set a volcanic stone 16x9x5 ins., 11 ins. in the ground,
for cor. of secs. 11, 12, 13 and 14, marked with 4 notches
on S. and 1 notch on E. edges; from which

A spruce 10 ins. dia., bears N 34° E. 107 lks. dist.,
mkd. T 37 S R 9 W S 12 B T.

A spruce 14 ins. dia., bears S 31° E. 76 lks. dist.,
mkd. T 37 S R 9 W S 13 B T.

A spruce 14 ins. dia., bears S. $29\frac{1}{4}^{\circ}$ W 143 lks. dist.,
mkd. T 37 S R 9 W S 14 B T.

A spruce 14 ins. dia., bears N 41° W. 109 lks. dist.,
mkd. T 37 S R 9 W S 11 B T.

Land mountainous.

Soil, gravelly; 3rd. rate.

Timber, pine, balsam, aspen and spruce.

Undergrowth, yellow top brush and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land or land covered
with dense undergrowth, 80.00 chs.

Subdivision of T.37 S., R.9 W. Continued.

Chains.	
	N.89°54' E.on a random line bet.secs.12 and 13. 38.52
40.00	Set temporary $\frac{1}{4}$ sec.cor.
80.08	Intersect E.bdy.of Tp.18 lks.S.of the cor.of secs.10, 11, 12, 13, 7 and 18 heretofore described.
	Thence I run
	S.89° 46' W.on a true line Bet.secs.12 and 13.
	Over mountainous land;through heavy timber.
	Descend over volcanic rocks.
16.60	Center of volcanic crater 75.ft.deep,3.00 chs.across
	S.about 3.00 chs.dist.
20.50	Leave heavy and enter scattering timber bears N.and S.
22.60	Center of volcanic crater 75 ft.deep,about 2.00chs.
	across,N.about 2.00 chs.
34.60	Enter heavy timber bears N. and S.
40.04	Set a volcanic stone 13x12x8 ins.,12 ins.in the ground,
	for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face; from which
	A spruce 14.ins.dia.,bears N.69 $\frac{1}{4}$ ° E.138 lks.dist.,
	mkd. $\frac{1}{4}$ S 12 B T.
	A spruce 18.ins.dia.,bears S.39 $\frac{1}{4}$ ° W.65 lks.dist.,
	mkd. $\frac{1}{4}$ S 13 B T.
	This cor.is about 150 ft.below sec.cor.
40.50	Leave heavy and enter scattering timber bears N.and S.
47.50	Leave timber bears N. and S.
	Thence over barren lava bed bears N. and S.
54.50	Leave lava bed bears NW and SE.
	Continue over volcanic rocks.
61.60	Long Valley creek 2 lks.wide,1 inch deep,course S.
	Ascend gradually in bottom of Long Valley.
69.00	Leave Long Valley bears NW and SE.
	A cabin,claimant unknown,bears N.22 $\frac{1}{2}$ ° E.about 27.00
	chs.dist. A corral N.of cabin about 1 $\frac{1}{2}$ chs.dist.
	There is a small spring about 1.00 ch.W.of cabin.
	Ascend.

Subdivision of T.37 S., R.9 W.-Continued.

chains.

- 72.80 Enter scattering timber bears NW and SE.
- 77.00 Enter heavy timber bears NW and SE.
- 80.08 Cor. of secs 11, 12, 13 and 14.
- Land mountainous.
- Soil, rocky and loamy; 4th. and 1st. rate.
- Timber, pine, balsam, spruce and aspen.
- Good grass for grazing.
- Mountainous or heavily timbered land, 80.08 chs.
- September 12, 1910.

September 13, 1910; At 7 h 56 m a.m. l.m.t., I set off
 37° 36' N. on the lat. arc; 4° 0' N. on the decl. arc;
 and determine a meridian with solar at the cor. of secs.
 11, 12, 13 and 14.

Thence I run

North 0° 1' W. bet. secs. 11 and 12.

Over rolling mountainous land; through scattering pine
 timber.

Descend gradually.

- 4.50 Wash 10 lks. wide, 5 ft. deep, 50 ft. below the sec. cor.
 course E.
- 10.40 Wash 10 lks. wide, 3 ft. deep, in hollow, course S. 80° E.
- 15.50 Leave timber bears E. and W.
- Ascend.
- 18.50 Enter top of ridge bears SW and N.
- 21.00 Highest point on top of ridge bears E. and W.
- Thence along top of ridge.
- 26.50 Leave ridge bears NE and S.
- Descend.

Subdivision of T.27 S., R.19 W., Section 14.

Chains.	
32.50	Wash 6 lks.wide, 2 ft.deep, course NE.
36.60	Wash 10 lks.wide, 4 ft.deep, in hollow, 100 ft.below ridge, course N.70° E. Ascend.
40.00	Set a sandstone 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which A spruce 12 ins.dia., bears N.15 $\frac{1}{4}$ ° E. 371 lks dist., mkd. $\frac{1}{4}$ S 12 B T. A balsam 5 ins.dia., bears N.22 $\frac{1}{4}$ ° W. 247 lks.dist., mkd. $\frac{1}{4}$ S 11 B T.
43.50	Enter heavy timber bears NE and SW.
63.00	Leave timber bears SE and NW.
65.10	Top of divide ridge, 200 ft.above wash, in hollow, bears E. and W. It is impossible to continue this line further on account of precipitous ledges and deep gorges, in breaks of Cedar Canon. Set a volcanic stone 18x12x5 ins., 12 ins.in the ground, for witness cor.to cor.of secs. 1, 2, 11 and 12, mkd. WC on NE face; with 1 notch on E. and 5 notches on S. edges; from which A spruce 14 ins.dia., bears S.17 $\frac{1}{2}$ ° E. 217 lks.dist., mkd. WC T 37 S R 9 W S 12 B T. A spruce 12 ins.dia., bears S.60° W. 124 lks.dist., mkd. WC T 37 S R 9 W S 11 B T. No other trees within limits; raise a mound of stone. 2 ft.base, 1 $\frac{1}{2}$ ft.high W. of cor. Thence I offset as follows: N.89°46' E. 8.74 chs. Thence N.0° 1' W. on offset line 14.90 chs., or counting from sec.cor.

15..

Subdivision of T.37 S., R.9 W.-Continued.

Chains.	
80.00	<p>To edge of breaks of Cedar Canon.</p> <p>It is impossible to offset W.to my N. and S. line for reasons already stated; therefore</p> <p>Set a volcanic stone 24x14x4 ins., 18 ins. in the ground, for WC to cor. of secs. 1, 2, 11 and 12, mkd. WC on NE face; with 1 notch on E. and 5 notches on S. edges; from which</p> <p>A spruce 16 ins. dia., bears N. 85$\frac{1}{4}$° E. 84 lks. dist., mkd. WC T 37 S R 9 W S 1 B T.</p> <p>A spruce 12 ins. dia., bears S. 31$\frac{1}{4}$° E. 157 lks. dist., mkd. WC T 37 S R 9 W S 12 B T.</p> <p>No other trees within limits; raise a mound of stone 2 ft. base, 1$\frac{1}{2}$ ft. high west of cor.</p> <p>Land mountainous.</p> <p>Soil, gravelly and rocky; 3rd. and 4th. rate.</p> <p>Timber; pine, spruce, balsam and aspen.</p> <p>Good grass for grazing, except in breaks of Cedar Canon.</p> <p>Mountainous or heavily timbered land, 80.00 chs.</p>
40.00	<hr/> <p>From WC for cor. of secs. 1, 2, 11 and 12, last above described, which is N. 89° 46' E. 8.74 chs. from the true cor. which falls in the breaks of Cedar Canon and cannot be set,</p> <p>I run</p> <p>N. 89° 46' E. on a random line bet. secs. 1 and 12.</p> <p>31.26 chs. or counting from true point for sec. cor.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>71.30 chs. or counting from true point for sec. cor.</p>
80.04	<p>Intersect E. bdy. of Tp. at the cor. of secs. 1, 12 and 6 and 7, heretofore described.</p>

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

.entmd

September 13, 1910; At this cor. I set off $3^{\circ} 56'$ N. on the decl. arc; and at 11h 56m a.m. l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ} 39'$ N. which is the proper lat. nearly.

Thence I run

S. $89^{\circ} 46'$ W. on a true line bet. secs. 1 and 12.

Over mountainous land; through volcanic boulders and heavy pine timber.

Descend gradually.

12.50 Leave timber and enter volcanic rock bears N. and S.

20.00 The center of a volcanic crater about 10.00 chs. dia., and 80 ft. deep, bears S. 4.00 chs. dist.

Ascend.

25.50 Enter heavy timber on ridge which bears N. and S.

32.80 Leave heavy timber and enter scattering timber bears N. and S.

40.02 Set a volcanic stone 20x12x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A spruce 16 ins. dia., bears N. $37\frac{1}{2}^{\circ}$ W. 43 lks. dist.,
mkd. $\frac{1}{4}$ S 1 B T.

A spruce 26 ins. dia., bears S. 37° W. 137 lks. dist.,
mkd. $\frac{1}{4}$ S 12 B T.

42.00 Bottom of hollow, 50 ft. below ridge, course S.

Ascend.

44.00 Enter heavy timber bears N. and S.

71.30 W C to cor. of secs. 1, 2, 11 and 12, mkd. $\frac{1}{4}$ on N. face.

80.04 Point for cor. secs. 1, 2, 11, and 12. mkd. $\frac{1}{4}$ on N. face.

Land mountainous.

Soil, gravelly and rocky, 3rd. and 4th. rate.

Timber, pine, spruce, balsam and aspen.

Good grass for grazing, except in volcanic rocks, and in breaks of Cedar Canon W. of WC.

Mountainous or heavily timbered land, 80.04 chs.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

From WC to secs.1,2,11 and 12, set at 8.74 chs. N.89°46' E.
 of true point for cor. it is impossible to run this
 line N. on account of breaks of Cedar Canon; therefore
 I offset as follows:

N.89°46' E. bet. secs.1 and 12, 7.58 chs. then.

N.0°1' W. on offset line,

14.06 chs. intersect N. bdy. of the Tp. at the WC for
 1,2,35 and 36, heretofore described in the notes of
 the N. bdy. of this Tp.

Thence I run

S.0°1' E. on offset line for line bet. secs.1 and 2.
 Descend gradually.

Over mountainous land; through heavy timber.

14.06 Intersect E. and W. line at S.89°46' W. 63.72 chs.
 dist. from the cor of secs.1,12,6 and 7, on E. bdy. of
 Tp.

Thence S.89°46' W. 7.58 chs. to WC to secs.1,2,11 and 12.
 Land mountainous.

Soil, sandy and gravelly, 2nd. and 3rd. rate.

Timber, pine, spruce and balsam, on offset line.

Good grass for grazing, except in breaks of Cedar Canon,
 W. of offset line.

Mountainous or heavily timbered land, 14.06 chs.

September 13, 1910.

Subdivision of T.37 S., R.9W.-Continued.

Chains.

September 14, 1910; At 7h 56m a.m., l.m.t., I set off 37° 33' N. on the lat. arc; 3° 37' N. on the decl. arc; and, determine a meridian with the solar, at the cor. of secs. 34 and 35, on S. bdy. of Tp., heretofore described;

Thence I run

N. 0° 1' W. bet. secs. 34 and 35.

Over mountainous land; through heavy timber and dense undergrowth.

Ascend.

6.00 Top of spur 100 ft. above sec. cor., bears N. 30° W. and S. 30° E.

Descend.

19.00 Leave timber bears E. and W.

25.00 Bottom of swale 100 ft. below ridge, course W.

Ascend.

32.00 Top of spur 200 ft. above swale, bears NW and SE.

Enter heavy timber bears NW and SE.

Leave dense and enter scattering undergrowth bears NW and SE.

40.00 Set a limestone 20x12x9 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A balsam 12 ins. dia., bears N. 13 $\frac{1}{2}$ ° E. 22 lks. dist.,
mkd. $\frac{1}{4}$ S 35 B T.

A red pine 16 ins. dia., bears N. 31° W. 61 lks. dist.,
mkd. $\frac{1}{4}$ S 34 B T.

43.00 Bottom of hollow 50 ft. below $\frac{1}{4}$ sec. cor., course SE.

Ascend.

45.00 Road bears NW and SE.

50.00 Begin more abrupt ascent bears NW and SE.

51.00 Top of ridge 400 ft. above hollow bears N. 70° E. and S. 70° W.

Continue ascent on W. slope of mountain.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

80.00 Set a limestone 20x12x5 ins., 15 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 1 notch on S. and 2 notches on E edges; from which

A red pine 18 ins. dia., bears N. $22\frac{1}{2}^{\circ}$ E. 55 lks. dist.,
mkd. T 37 S R 9 W S 26 B T.

A red pine 16 ins. dia., bears S. $22\frac{1}{2}^{\circ}$ E. 71 lks. dist.,
mkd. T 37 S R 9 W S 35 B T.

A red pine 14 ins. dia., bears S. $21\frac{1}{2}^{\circ}$ W. 79 lks. dist.,
mkd. T 37 S R 9 W S 34 B T.

A red pine 24 ins. dia., bears N. $57\frac{1}{2}^{\circ}$ W. 47 lks. dist.,
mkd. T 37 S R 9 W S 27 B T.

Land Mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, aspen, balsam and spruce.

Undergrowth, chokecherry, elderberry and oak.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

N. $89^{\circ} 53'$ E. on a random line bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line 5 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence I run

S. $89^{\circ} 51'$ W. on a true line bet. secs. 26 and 35.

Over mountainous land; through heavy timber and scattering undergrowth.

Ascend gradually.

Subdivision of T. 37 S., R. 9 W. Continued.

Chains.	
35.00	<p>Top of Blowhard Plateau 200 ft. above sec. cor., bears N. 80° W. and S. 80° E.</p> <p>Descend along S. slope of mountain.</p>
40.03	<p>Set a limestone 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which</p> <p>A spruce 8 ins. dia., bears N. 67° W 34 lks. dist.,</p> <p>Mkd. $\frac{1}{4}$ S 26 B T.</p> <p>A spruce 14 ins. dia., bears S. 15$\frac{1}{2}$° W. 31 lks. dist.,</p> <p>mkd. $\frac{1}{4}$ S 35 B T.</p> <p>This cor. is 100 ft. below top of mountain.</p>
50.00	<p>Begin ascent bears N. 85° E. and S. 85° W.</p>
60.00	<p>Top of Blowhard Plateau 100 ft. above $\frac{1}{4}$ sec. cor., bears N. 80° E. and S. 80° W.</p> <p>Thence along top of plateau.</p>
69.50	<p>Top of peak 100 ft. high.</p> <p>Descend abruptly over W. slope of mountain.</p>
80.06	<p>The cor. of secs. 26, 27, 34 and 35, 350 ft. below peak.</p> <p>Land mountainous.</p> <p>Soil, gravelly loam and stony; 2nd. and 4th. rate.</p> <p>Timber, pine, aspen, spruce and balsam.</p> <p>Undergrowth, henberry and chokecherry brush.</p> <p>Good grass for grazing.</p> <p>Mountainous or heavily timbered land, 80.06 chs.</p> <p>September 14, 1910; At this cor. I set off 3° 33' N. on the decl. arc; and, at 11h 56m a.m., 1.m.t., observe the sun on the meridian; the resulting lat. is 37° 34' N. which is the proper lat. nearly.</p>

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

N.0°1' W.bet.secs.26 and 27.

Over mountainous land;through heavy timber and scattering undergrowth.

Ascend along W. slope of mountain.

40.00

Top of ridge 250 ft.above sec.cor.,bears N.70° E. and S.70° W.

Set a limestone 15x8x6 ins.10 ins.in the ground,for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ on W.face;from which

A black pine 12 ins.dia.,bears N.25°E.65 lks.dist.,
mkd. $\frac{1}{4}$ S 26 B T.

A black pine 10 ins.dia.,bears S.22 $\frac{1}{2}$ ° W.43 lks.dist.,
mkd. $\frac{1}{4}$ S 27 B T.

Descend.

50.60

Trail bears E.and W.

54.75

Bottom of ravine 250 ft.below ridge,course S.70° W.

Ascend rocky SW slope.

72.00

Top of Blowhard Plateau 250 ft.above ravine bears N. 65° W. and S.70° E.

Descend gradually.

80.00

Set a limestone 16x12x6 ins.,11ins.in the ground,for cor.of secs.22,23,26 and 27,marked with 2 notches on S. and 2 notches on E.edges;from which

A spruce 20 ins.dia.,bears N.41 $\frac{1}{2}$ ° E.248 lks.dist.,
mkd. T 37 S R 9 W S 23 B T.

A spruce 15 ins.dia.,bears S.30° E.25 lks.dist.,
mkd. T 37 S R 9 W S 26 B T.

A balsam 6 ins.dia.,bears S.47 $\frac{1}{4}$ ° W.20 lks.dist.,
mkd. T 37 S R 9 W S 27 B T.

A balsam 8 ins.dia.,bears N.29° W.58 lks.dist.,
mkd. T 37 S R 9 W S 22 B T.

Land mountainous.

Soil,gravelly and stony;3rd.and 4th.rate.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Timber, pine, spruce and balsam.

Undergrowth, elderberry and oak.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. $89^{\circ} 51'$ E. on a random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line 2 lks. S. of the cor. of secs.
23, 24, 25 and 26.

Thence I run

S. $89^{\circ} 50'$ W. on a true line bet. secs. 23 and 26.

Over mountainous land; through scattering timber and
dense undergrowth.

Descend.

7.35 Road bears N. 40° W. and S. 40° E.

Enter bottom of Midway Valley at foot of descent
which bears N. 40° W. and S. 40° E.

9.00 Wash 10 lks. wide, 2 ft. deep, in bottom of Midway Valley,
course N. 60° E.

13.50 Leave Midway Valley bears NE and SW.

Enter heavy timber bears NE and SW.

Ascend

40.02 Set a limestone 16x12x10 ins., 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which

A spruce 18 ins. dia., bears N. $39\frac{1}{2}^{\circ}$ W. 15 lks. dist.,
mkd. $\frac{1}{4}$ S 23 B T.

A balsam 12 ins. dia., bears S. $22\frac{1}{2}^{\circ}$ E. 41 lks. dist.,
mkd. $\frac{1}{4}$ S 26 B T.

This cor. is 150 ft. above Midway Valley.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

- 64.00 Top of ridge 150 ft. above $\frac{1}{4}$ sec. cor., bears NE and SW.
Leave dense and enter scattering undergrowth, bears
NE and SW.
Descend
- 70.00 Bottom of ravine 75 ft. below ridge, course N.20° E.
Ascend.
- 80.04 The cor. of secs. 22, 23, 26 and 27., 100 ft. above ravine.
Land mountainous, and nearly level.
Soil, gravelly loam and stony; 2nd. and 4th. rate.
Timber, pine, spruce and balsam.
Undergrowth, sage, chokecherry and oak brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.04. chs.

September 14, 1910.

September 15, 1910: At 7h 55m a.m., l.m.t., I set off
37° 35' N. on the lat. arc; 3° 14' N. on the decl. arc; and
determine a meridian with the solar at the cor. of secs.
22, 23, 26 and 27.

Thence I run

N. 0° 1' W. bet. secs. 22 and 23.

Over mountainous land; through heavy timber.

Descend.

27.00 Bottom of ravine 25 ft. deep, 75 lks. wide, course E.

40.00 Set a volcanic stone 16x12x3 ins., 11 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A spruce 18 ins. dia., bears S. 49 $\frac{1}{4}$ ° W. 88 lks. dist.,
mkd. $\frac{1}{4}$ S 22 B T.

Subdivision of T.37 S., R.9 W. - Continued.

Chains.

A balsam 9 ins.dia., bears N.16° E.153 lks.dist.,
mkd. $\frac{1}{4}$ S 23 B T.

41.00 Wash 5 lks.wide 2 ft.deep, course S 30° E.; water in
holes.

Ascend.

43.75 Road bears N.20° W. and S.20° E.

56.00 Wash 10 lks.wide 3 ft.deep, course S.25° W.

Thence along bottom of wash.

68.00 Leave wash, course S.

Ascend.

80.00 Set a volcanic stone 24x10x5 ins., 18 ins.in the ground,
for cor.of secs.14,15,22 and 23, marked with 3 notches
on S. and 2 notches on E.edges; from which

A spruce 20 ins.dia., bears N.6 $\frac{1}{4}$ ° E.89 lks.dist.,
mkd. T 37 S R 9 W S 14 B T.

A balsam 8 ins.dia., bears S.4 $\frac{1}{4}$ ° E.362 lks.dist.,
mkd. T 37 S R 9 W S 23 B T.

A spruce 12 ins.dia., bears S.53° W.117 lks.dist.,
mkd. T 37 S R 9 W S 22 B T.

A spruce 16 ins.dia.bears N.12° W.231 lks.dist.,
mkd. T 37 S R 9 W S 15 B T.

This cor.is 150 ft.above wash.

Land mountainous.

Soil, gravelly loam; and stony; 2nd.and 4th.rate.

Timber, pine, spruce and balsam.

Good grass for grazing.

Mountainous or heavily timbered land; 80.00 chs.

N.89° 50' E.on a random line bet.secs.14 and 23.

Subdivision of T.37 S., R.9W.-Continued.

Chains.	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.94	Intersect N. and S.line 9 lks.N. of the cor.of secs. 13,14,23 and 24.
	Thence I run
	S.89°54' W.on a true line bet.secs.14 and 23.
	Over mountainous land;through scattering timber.
	Descend.
19.00	Wash 10 lks.wide 4 ft.deep in bottom of hollow 100 ft. below sec.cor.,course S.
	Ascend.
28.50	Top of ridge 150 ft.above hollow,bears N. and S.
	Descend.
39.97	Set a volcanic stone 13x14x10 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ on N.face;from which
	A spruce 18 ins.dia.,bears N.2° W.176 lks.dist., mkd. $\frac{1}{4}$ S 14 B T.
	No other trees within limits;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N. of cor.
	This cor.is 50 ft.below last ridge.
43.00	Enter heavy timber bears N. and S.
45.00	Begin more rapid descent bears N. and S.
48.00	Leave timber bears N. and S.
51.00	Small pond of water bears N.about 4.00 chs.dist.
54.00	Bottom of hollow 100 ft.below $\frac{1}{4}$ sec.cor.course S.
	Enter heavy timber bears N. and S.
	Ascend.
55.00	Top of ridge 25 ft.above hollow bears N. and S.
	Descend.
64.50	Wash 10 lks.wide 5 ft.deep in hollow 100 ft.below ridge,course S.20° W.
	Leave heavy and enter scattering timber bears N.20° E. and S.20° W.
	Ascend.
75.00	Road on top of ridge 100 ft.above hollow bears N. and S.

Subdivision of T.37 S., R.19 W.-Continued.

Chains.

Descend.

79.94 The cor. of secs. 14, 15, 22 and 23, 75 ft. below ridge, 9.07

Land mountainous.

Soil, loam and gravelly; 2nd. and 3rd. rate.

Timber, pine, aspen, spruce and balsam.

Good grass for grazing.

Mountainous or heavily timbered land, 79.94 chs.

September 15, 1910; At this cor. I set off $3^{\circ}10'$ N. on the decl. arc; and, at 11⁵⁵ a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ}36'$ N., which is the proper lat. nearly.

N. $0^{\circ}1'$ W. bet. secs. 14 and 15.

Over mountainous land; through scattering timber and dense undergrowth.

Descend gradually.

44.70 Enter valley bears NW and SE.

Leave scattering timber bears NW and SE.

40.00 Set a volcanic stone 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

48.75 Foot of descent 150 ft. below sec. cor., bears NW and SE.

Leave valley bears NW and SE.

Ascend gradually.

30.71 Enter heavy timber bears NE and SW.

22.71 Leave timber bears E. and W.

80.00 Set a volcanic stone 16x12x4 ins., 11 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edges; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

27..

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

This cor. is on E. slope of ridge 150 ft. above valley.
Land mountainous and level.

Soil, gravelly; 3rd. rate.

Timber, pine spruce and balsam.

Undergrowth, sage brush and wolf brush.

Good grass for grazing.

Mountainous or heavily timbered land or land covered
with dense undergrowth, 80.00 chs.

N. 89° 54' E. on a random line bet. secs. 11 and 14.

40.00 Set temp. sec. cor.

80.00 Intersect N. and S. line 21 lks. S. of the cor. of secs.
11, 12, 13 and 14.

Thence I run

S. 89° 45' W. on a true line bet. secs. 11 and 14.

Over rolling mountainous land; through heavy timber.

Descend.

6.30 Leave timber bears NE and SW.

8.00 Bottom of swale 100 ft. below sec. cor., course NE.

Ascend.

12.00 Enter heavy timber bears NE and SW.

17.00 Leave heavy and enter scattering timber bears NE and SW.

Begin steep ascent of ridge, bears N. 15° W. and S. 15° E.

Enter dense undergrowth bears NE and SW.

35.00 Top of ridge 250 ft. above swale bears N. and S.

Descend gradually along top of ridge.

40.00 Set a trachyte stone 18x10x6 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which

A spruce 8 ins. dia., bears N. 70 $\frac{1}{4}$ ° W. 102 lks. dist.,

mkd. $\frac{1}{4}$ S 11 B T.

Subdivision of T.37 E., R.9 W. - Continued.

Chains.

entered

A spruce 8 ins.dia., bears S.64° W.109 lks.dist.,
mkd. $\frac{1}{4}$ S 14 B T.

- 41.00 Enter heavy timber bears NW and SE.
- 42.30 Leave timber bears N. and S.
- 43.50 Descend more rapidly over W. slope bears N.20° W. and S.20° E.
- 58.80 Foot of steep descent bears S.20° E and N.20° W.
Descend gradually.
- 65.00 Bottom of hollow 150 ft. below $\frac{1}{4}$ sec.cor., course S.
20° W.
Ascend.
- 66.50 Begin more rapid ascent bears N.20° E. and S.20° W.
- 80.00 The cor. of secs.10,11,14 and 15.
This cor. is on E. slope of ridge about 150 ft. above hollow.
Land mountainous.
Soil, sandy loam and gravelly; 2nd. and 3rd. rate.
Timber, pine, balsam, spruce and aspen.
Undergrowth, yellow top and sage brush.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

September 15, 1910.

September 16, 1910; At 7h 55m a.m., l.m.t., I set off
37° 36' N. on the lat. arc; 2° 51' N. on the decl. arc; and
determine a meridian with the solar at the cor. of
secs.10,11,14 and 15.

Thence I run

N.0° 1' W. bet. secs.10 and 11.

Subdivision of T.37 S., R.9 W.-Continued.-

Chains.

Over rolling mountainous land; through dense undergrowth.
Ascend gradually.

15.50 Top of ridge 75 ft. above sec. cor. bears N. 20° W. and SW.
Descend.

31.00 Enter heavy timber bears E. and W.

38.00 Head of ravine 50 ft. below ridge, course NW.
Ascend.

40.00 Set a limestone 16x8x6 ins., 11 ins. in the ground, for
¼ sec. cor. mkd. ¼ on W. face; from which

A spruce 14 ins. dia., bears N. 23½° E. 41 lks. dist.,
mkd. ¼ S 11 B T.

A spruce 16 ins. dia., bears S. 56° W. 27 lks. dist.,
mkd. ¼ S 10 B T.

42.50 Top of spur 25 ft. above ravine bears NW and SE.
Descend abruptly.

54.60 Creek 2 lks. wide 2 ins. deep, rapid current in bottom of
ravine 200 ft. below spur, course N. 70° W.
Ascend abruptly.

58.50 Top of spur of divide ridge 100 ft. above creek bears
N. 80° E. and S. 80° W.
Descend abruptly over ledges into breaks of Cedar Canon.

59.80 Leave timber bears E. and W.

73.00 Creek, 3 lks. wide 3 ins. deep in bottom of steep canon,
600 ft. below divide ridge, course N. 30° E.
Ascend along steep E. slope of ridge.

80.00 Set a porphyry stone 18x10x6 ins., 12 ins. in the ground,
for cor. of secs. 2, 3, 10 and 11, marked with 5 notches
on the S. and 2 notches on E. edges; from which

A spruce 6 ins. dia., bears N. 14° E. 158 lks. dist.,
mkd. T 37 S R 9 W S 2 B T.

A spruce 6 ins. dia., bears N. 15½° W. 146 lks. dist.,
Mkd. T 37 S R 9 W S 3 B T.

No other trees; raise a mound of stone 2 ft. base 1½ ft.
high W. of cor.

Subdivision of T. 57 N., R. 19 W., Co. 10, Minn.

Chains.

Land mountainous.
 Soil, gravelly and rocky; 3rd. and 4th. rate.
 Timber, pine, spruce and balsam.
 Undergrowth, sage, wolfbrush, serviceberry and oak.
 Good grass for grazing except in breaks of Cedar Canon.
 Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.00 chs.
 September 16, 1910; At this cor. I set off $2^{\circ} 49'$ N. on
 the decl. arc; and, at 11h 55m a.m., l.m.t., observe the
 sun on the meridian; the resulting lat. is $37^{\circ} 37'$ N.,
 which is the proper lat. nearly.

Note:-Knowing from observation that only a small
 portion of the line bet. secs. 2 and 11, can be run from
 this cor.

I run

N. $89^{\circ} 45'$ E. on a true line bet secs. 2 and 11.

Over mountainous land; through large boulders.

Descend rapidly.

7.00 Begin abrupt descent.

8.00 Creek 4 lks. wide 4 ins. deep, in bottom of sharp hollow,
 300 ft. below the sec. cor. course N. 10° W.

Ascend abruptly.

10.00 Foot of pink cliffs or breaks of Cedar Canon, 600 ft.
 high bears N. 10° E. and S. 10° W.

It is impossible to continue this line further or to
 offset around ledges; therefore, at this point I

Set a sandstone 18x12x8 ins., 12 ins. in the ground,
 for witness point, marked WP on N. face; and raise a

Subdivision of T:37 S:,R:9 W.-Continued.

Chains.

615 110 mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of Witness point.

Land mountainous and very rough.

Soil, rocky 4th. rate.

No timber or vegetation.

Mountainous land 10.00 chs.

N. $0^{\circ}1'$ W. on a random line bet. secs. 2 and 3.

14.40 Intersect N. bdy. of Tp. 4 lks. W. of cor. of secs. 2, 3, 34 and 35, heretofore described.

Thence I run

S. $0^{\circ}10'$ W. on a true line bet. secs. 2 and 3.

Over mountainous land; through heavy timber and scattering undergrowth.

Ascend.

5.30 Top of spur 100 ft. above sec. cor., bears N. 70° E. and S. 70° W.

Leave timber bears N. 70° E. and S. 70° W.

Descend over large sandstone boulders.

6.30 Spring branch 2 lks. wide 6 ins. deep, course E.

14.40 The cor. of secs. 2, 3, 10 and 11.

Land mountainous.

Soil, gravelly and rocky; 3rd. and 4th. rate.

Timber, pine, spruce and balsam.

Undergrowth, serviceberry and oak.

Good grass for grazing except on S. 8.00 chs.

Mountainous or heavily timbered land, 14.40 chs.

September 16, 1910.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

September 17, 1910; At 7h 55m a.m., l.m.t., I set off 37° 33' N. on the lat. arc; 2° 28' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 33 and 34 on S. bdy. of Tp., heretofore described.

Thence I run

N. 0° 2' W. bet. secs. 33 and 34.

Over mountainous land; through dense undergrowth.

Descend.

Note:-From this cor. Hyrum Thomas Reese's log cabin bears N. 40° W. Spring 75 lks. NE. of cabin.

His log dairy house bears N. 41° W.

His log barn bears N. 24° W.

His corral bears N. 47° 50' W.

2.50 Enter heavy timber bears NE and SW.

7.00 Leave timber bears NE and SW.

8.00 Enter heavy pine timber bears NE and SW.

13.00 Leave pine and enter aspen timber bears E. and W.

16.00 Leave timber bears NE and SW.

24.00 Enter heavy aspen timber bears NE and SW.

26.90 Fence bears E. and W.

Enter Hyrum Thomas Reese's field and pasture.

31.80 Enter cultivated land bears NE and SW.

Leave timber bears NE and SW.

Leave undergrowth bears NE and SW.

34.00 Bottom of hollow 250 ft. below sec. cor., course S. 25° W.
Ascend.

35.90 Leave cultivated land bears NE and SW.

Enter scattering aspen timber and dense undergrowth,
bears NE and SW.

40.00 Set a sandstone 24x8x6 ins., 18 ins. in the ground, for
¼ sec. cor., mkd. ¼ on W. face; from which

An aspen 3 ins. dia., bears N. 42 ¼° E. 151 lks. dist.,
mkd. ¼ S 34 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

An aspen 3 ins.dia., bears N.28° 30' W.43 lks.dist.,
mkd. $\frac{1}{4}$ S 33 B T.

Note:-From this cor cabin bears S.16°30' W.

A cabin bears S.17°35' W. (dairy house)

A barn bears S.21°35' W.

A corral bears S.18° W.

Note:-This cor. is 50 ft. above hollow.

40.65 Fence bears NE and SW.

Leave Hyrum Thomas Reese's field and pasture.

58.95 Road bears NE and SW.

62.00 Top of ridge 250 ft. above $\frac{1}{4}$ sec. cor. bears E. and SW.
Descend.

70.25 Bottom of hollow 100 ft. below ridge, course W. Ascend.

73.75 Top of ridge, 60 ft. above hollow bears E. and W. Descend.

75.00 Enter heavy aspen timber bears E. and W.

77.15 Ravine 200 ft. deep, course S.60° W.
Ascend.

79.25 Top of rocky ridge 100 ft. above ravine bears NE and SW.
Leave heavy and enter scattering timber bears NE and SW.
Descend.

80.00 Set a sandstone 16x8x8 ins. 11 ins. in the ground, for cor.
of secs. 27, 28, 33 and 34, mkd. with 1 notch on S. and 3
notches on E. edges; from which

A yellow pine 24 ins.dia., bears N.82° E.42 lks.dist.,
mkd. T 37 S. R 9 W S 27 B T.

A yellow pine 30 ins.dia., bears S.63° E.29 lks.dist.,
mkd. T 37 S. R 9 W S 34 B T.

A spruce 12 ins.dia., bears S.43° W.98 lks.dist.,
mkd. T 37 S R 9 W S 33 B T.

A balsam 20 ins.dia., bears N.20 $\frac{1}{2}$ ° W.52 lks.dist.,
mkd. T 37 S R 9 W S 28 B T.

Land mountainous.

Soil, loam and gravelly; 1st. and 3rd. rate..

Subdivision of T. 37 N., R. 3. E. W. 24th Range.

Chains.

Timber pine and aspen.
Undergrowth, oak, serviceberry, chokecherry and aspen saplings.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

N. 89° 50' E. on a random line bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line 9 lks. N. of the cor. of secs 26, 27, 34 and 35.

September 17, 1910: At this cor. at the noon hour the sky is overcast; and Lat. obs. impracticable.

Thence I run

S. 89° 54' W. on a true line bet. secs. 27 and 34.

Over mountainous land; through heavy timber.

Descend abruptly over W. slope of high ridge.

40.05 Set a sandstone 14x10x8 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A balsam 16 ins. dia., bears N. 61° E. 60 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.

A balsam 12 ins. dia., bears S. 5 $\frac{1}{4}$ ° W. 44 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.

This cor. is 350 ft. below sec. cor.

43.50 Road bears N. and S.

50.00 Trail bears N. and S.

Enter dense undergrowth bears N. and S.

63.00 Bottom of swale 100 ft. below $\frac{1}{4}$ sec. cor., course S. 30° W.

Ascend.

78.00 Top of ridge 50 ft. above swale bears NE and SW.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Descend.

80.10 The cor. of secs. 27, 28, 33 and 34, 50 ft. below ridge.

Land mountainous.

Soil gravelly and stony; 3rd. and 4th. rate.

Timber, aspen, pine, spruce and balsam.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.10 chs.

N. 0° 2' W. bet. secs. 27 and 28.

Over mountainous land; through heavy timber and dense undergrowth.

Descend.

7.00 Deep Creek 3 lks. wide, 6 ins. deep, in bottom of hollow 150 ft. below sec. cor., course SW.

Leave heavy and enter scattering timber bears NE and SW.

Ascend.

19.50 Road bears N. 75° E. and S. 75° W.

40.00 Set a sandstone 16x10x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

An aspen 8 ins. dia., bears S. 35° E. 71 lks. dist.,
mkd. $\frac{1}{4}$ S 27 B T.

A balsam 9 ins. dia., bears S. 72 $\frac{1}{2}$ ° W. 68 lks. dist.,
mkd. $\frac{1}{4}$ S 28 B T.

This cor. is 100 ft. above creek.

63.00 Enter heavy aspen timber bears NE and SW.

74.00 Top of ridge 250 ft. above $\frac{1}{4}$ sec. cor., bears NE and SW.
Descend over NW slope of ridge.

Subdivision of T. 37 S., R. 9 W. - Continued.

Chains.

80.00

Set a sandstone 24x8x8 ins., 18 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges; from which

A balsam 14 ins. dia., bears N. $77\frac{1}{2}^{\circ}$ E. 83 lks. dist.,
mkd. T 37 S R 9 W S 22 B T.

A balsam 14 ins. dia., bears S. 66° E. 84 lks. dist.,
mkd. T 37 S R 9 W S 27 B T.

An aspen 6 ins. dia., bears S. $18\frac{1}{2}^{\circ}$ W. 211 lks. dist.,
mkd. T 37 S R 9 W S 28 B T.

A balsam 10 ins. dia., bears N. $52\frac{1}{4}^{\circ}$ W. 22 lks. dist.,
mkd. T 37 S R 9 W S 21 B T.

This cor. is 75 ft. below ridge.

Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

September 17, 1910.

N. $89^{\circ} 54'$ E. on a random line bet. secs. 22 and 27.

40.00

Set a temp $\frac{1}{4}$ sec. cor.

80.08

Intersect N. and S. line 14 lks. N. of the cor. of secs. 22, 23, 26 and 27.

Thence I run

West on a true line bet. secs. 22 and 27.

Over mountainous land; through heavy timber.

Ascend gradually.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

- 19.00 Top of Blowhard Plateau 150 ft. above sec. cor., bears N. 40° W. and S. 60° E.
Descend abruptly over rocky SW slope of mountain.
- 40.04 Set a burnt sandstone 20x16x5 ins. 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A balsam 8 ins. dia., bears N. 9 $\frac{1}{2}$ ° E. 16 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
A balsam 7 ins. dia., bears S. 66 $\frac{1}{2}$ ° W. 11 $\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S 27 B T.
This cor. is 300 ft. below plateau.
- 63.75 Ravine 150 ft. below $\frac{1}{4}$ sec. cor., course SW.
Ascend.
- 75.50 Top of ridge, 100 ft. above ravine bears NE and SW.
Descend.
- 80.08 The cor. of secs. 21, 22, 27 and 28, 75 ft. below ridge.
Land mountainous.
Soil, gravelly and stony; 3rd. and 4th. rate.
Timber, pine, aspen, balsam and spruce.
Undergrowth, oak and serviceberry.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.08 chs.
-
- N. 0° 2' W. bet. secs. 21 and 22.
Over mountainous land; through heavy timber and scattering undergrowth.
Ascend.
- 7.00 Top of ridge 150 ft. above sec. cor., bears E. and W.
Descend.

Subdivision of T.37 S., R.9 W. -Continued.

Chains.

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- 12.50 Ravine 100 ft. deep, course W. Ascend along W. slope of mountain.
- 39.00 Hollow 50 ft. deep, course SW.
- 40.00 Set a limestone 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A red pine 30 ins. dia., bears S. 82° E. 75 lks. dist.,
mkd. $\frac{1}{4}$ S 22 B T.
- A red pine 12 ins. dia., bears S. 13° W. 109 lks. dist.,
mkd. $\frac{1}{4}$ S 21 B T.
- This cor. is 75 ft. above ravine.
- 65.00 Leave heavy and enter scattering timber bears NE and SW. Enter dense undergrowth bears NE and SW.
- 80.00 Set a volcanic stone 18x12x7 ins., 12 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked 37 S on NE, 9 W on SE faces, with 3 notches on S. and 3 notches on E. edges; from which
- A white pine 5 ins. dia., bears N. $32\frac{1}{2}^{\circ}$ E. 126 lks. dist.,
mkd. T 37 S R 9 W S 15 B T.
- A white pine 3 ins. dia., bears S. $21\frac{3}{4}^{\circ}$ E. 134 lks. dist.,
mkd. T 37 S R 9 W S 22 B T,
- A white pine 36 ins. dia., bears S. 45° W. 71 lks. dist.,
mkd. T 37 S R 9 W S 21 B T.
- A white pine 8 ins. dia., bears N. $86\frac{1}{4}^{\circ}$ W. 105 lks. dist.,
mkd. T 37 S R 9 W S 16 B T.
- Land mountainous.
- Soil, gravelly and stony; 3rd. and 4th. rate.
- Timber, pine balsam and spruce.
- Undergrowth, serviceberry and oak.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

September 19, 1910: At this cor. I set off $1^{\circ}37'$ N. on the decl. arc; and, at 11h⁵⁴m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ}36'$ N., which is the proper lat. nearly.

September 19, 1910: At 1h⁵⁴m p.m., l.m.t., I set off $37^{\circ}36'$ N. on the lat. arc; $1^{\circ}35'$ N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 15, 16, 21 and 22.

Thence I run

E. on a random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line at 14 lks. S. of cor. of secs. 14, 15, 22 and 23.

Thence I run

S. $89^{\circ}54'$ W. on a true line bet. secs. 15 and 22.

Over mountainous land; through heavy timber.

Ascend.

15.00 Top of ridge 200 ft. above sec. cor., bears N. and S.

Descend.

21.15 Wash 3 lks. wide 1 ft. deep, in hollow 50 ft. below ridge, course S 20° E.

Ascend.

39.98 Set a volcanic stone 16x14x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A spruce 10 ins. dia., bears N. $12\frac{1}{4}^{\circ}$ E. 172 lks. dist.,
mkd. $\frac{1}{4}$ S 15 B T.

A spruce 14 ins. dia., bears S. 22° E. 97 lks. dist.,
mkd. $\frac{1}{4}$ S 22 B T.

Subdivision of T. 37 N., R. 12 W., S. 12 E.

Chains.

This cor. is 75 ft. above wash.

64.00 Top of ridge 100 ft. above $\frac{1}{4}$ sec. cor. bears N. and S.

Descend.

71.25 Begin steep descent bears N. and S.

Leave heavy and enter scattering timber bears N. and S.

Enter dense undergrowth, bears N. and S.

79.96 The cor. of secs. 15, 16, 21 and 22, 150 ft. below ridge.

Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, spruce and balsam.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 79.96 chs.

September 19, 1910.

September 20, 1910: At 7h 54m a.m., l.m.t., I set off 37° 36' N. on the lat. arc; 1° 18' N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 15, 16, 21 and 22.

Thence I run

N. 0° 2' W. bet. secs. 15 and 16.

Over mountainous land; through heavy pine and aspen timber.

Ascend.

6.60 Top of ridge 150 ft. above sec. cor. bears E. and W.

Descend. over a series of broken ledges.

18.00 Head of canon 300 ft. below ridge, course W.

Ascend over broken ledges.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

- 32.50 Top of ridge at top of ledges, 300 ft. above hollow, at head of canon, bears E. and W.
- Descend.
- 40.00 Set a volcanic stone 20x14x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A spruce 14 ins. dia., bears N. $81\frac{1}{2}^{\circ}$ E. 24 lks. dist.,
mkd. $\frac{1}{4}$ S 15 B T.
- A balsam 12 ins. dia., bears S. 82° W. 27 lks. dist.,
mkd. $\frac{1}{4}$ S 16 B T.
- 41.80 Bottom of hollow 400 ft. below ridge, course N. 80° W.
- Ascend.
- 46.40 Top of ridge 130 ft. above hollow bears E. and W.
- Descend.
- 58.30 Bottom of hollow 400 ft. below ridge, course NW.
- Ascend.
- 63.30 Top of breaks bears NE and SW.
- Descend abruptly over ledges.
- 75.00 Head of canon 150 ft. below top of breaks, course N. 70° W.
- Ascend over ledges.
- 80.00 Set a sandstone 16x12x6 ins., 11 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges; from which
- A red pine 10 ins. dia., bears N. $42\frac{1}{4}^{\circ}$ E. 69 lks. dist.,
mkd. T 37 S R 9 W S 10 B T.
- A balsam 8 ins. dia., bears S. $77\frac{3}{4}^{\circ}$ E. 61 lks. dist.,
mkd. T 37 S R 9 W S 15 B T.
- A spruce 14 ins. dia. bears S. 6° W. 122 lks. dist.,
mkd. T 37 S R 9 W S 16 B T.
- A spruce 5 ins. dia., bears N. $17\frac{1}{2}^{\circ}$ W. 73 lks. dist.,
mkd. T 37 S R 9 W S 9 B T.
- Land mountainous.
- Soil, stony and gravelly; 4th. and 3rd. rate.

Subdivision of T. 37 N., R. 9 W. (Continued).

Chains.	
	<p>Timber, pine, spruce and balsam.</p> <p>Undergrowth, serviceberry and oak.</p> <p>Good grass for grazing, except in breaks of Cedar canon.</p> <p>Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.</p>
	<hr/> <p>N. $89^{\circ}54'$ E on a random line bet. secs. 10 and 15.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
30.10	Intersect N. and S. line at the cor. of secs. 10, 11, 14 and 15.
	Thence I run
	S. $89^{\circ}54'$ W. on a true line bet. secs. 10 and 15.
	Over mountainous land; through dense undergrowth.
	Ascend steep E. slope of ridge.
3.00	Enter heavy timber bears N. and S.
17.10	Top of divide ridge 200 ft. above sec. cor., bears N. and S.
	Descend gradually.
40.05	Set a volcanic stone 16x12x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
	A yellow pine 24 ins. dia., bears N. $26\frac{1}{4}^{\circ}$ W. 85 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.
	A balsam 30 ins. dia., bears S. $15\frac{1}{4}^{\circ}$ W. 32 lks. dist., mkd. $\frac{1}{4}$ S 15 B T.
	This cor. is 150 ft. below top of ridge.
61.80	Top of breaks of Cedar canon or pink cliffs, 200 ft. below $\frac{1}{4}$ sec. cor., bears NE and SW.
	These cliffs are about 500 ft. high and it is impossible to chain over them; therefore at this point
	I set a trachyte stone 16x6x6 ins., 11 ins. in the ground,

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

for Witness point, marked WP on N. face; from which
A spruce 10 ins. dia., bears N. 51° E. 51 lks. dist.,
mkd. WP B T.

A spruce 12 ins. dia., bears S. 64° W. 9 lks. dist.,
mkd. WP B T.

In order to pass around the head of breaks, I offset as follows:

South 4.00 chs.

West 10.27 chs.

North 4.00 chs. to point on line bet. secs. 10 and 15, at

72.07 Top of W. side of breaks of Cedar Canon or pink cliffs
500 ft. high, bears NW and SE.

Set a trachyte stone 14x12x6 ins., 9 ins. in the ground,
for witness point, marked WP on N. face; from which

A spruce 8 ins. dia., bears N. 74° W. 19 lks. dist.,
mkd. WP B T.

A balsam 10 ins. dia., bears S. $54\frac{1}{2}^{\circ}$ W. 35 lks. dist.,
mkd. WP B T.

Descend through heavy timber.

78.90 Descend abruptly over ledges.

80.10 The cor. of secs. 9, 10, 15 and 16.

Land mountainous.

Soil, stony and gravelly and loam; 4th, 3rd. and 1st. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, sage, serviceberry and oak.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.10 chs.

September 20, 1910: At this cor. I set off $1^{\circ}14'$ N. on the
decl. arc; and, at 11h 54m a.m., l.m.t., observe the sun on
the meridian; the resulting lat. is $37^{\circ}36'N.$, which is the
proper lat. nearly.

Subdivision of T. 37 S., R. 9 W. - Continued.

Chains.	N.0°2'W.on a true line bet.secs.9 and 10. Over mountainous land;through heavy timber. Descend.
13.50	Edge of breaks of Cedar Canon or pink cliffs,perpendicular ledge 100 ft.high bears N.70°W.and S.70° E. Descend abruptly.
28.00	A small spring bears E.about 50 lks.dist.,course N.
28.50	Enter swampy ground bears NW and SE.
31.50	A small spring bears W.about 1:00 ch.dist.
38.00	Leave swampy ground bears NW and SE.
40.00	Small creek of milky water 2 lks.wide,6 ins.deep in bottom of wash 50 lks.wide 15 ft.deep,course NW. Point for cor.falls in creek and cannot be safely established.
40.74	Set a sandstone 18x8x6 ins.,12 ins.in the ground,for W C to $\frac{1}{4}$ sec.cor.mkd. $\frac{1}{4}$ W C on W.face;from which A spruce 12 ins.dia.,bears S.79°E.22 lks.dist., mkd.WC $\frac{1}{4}$ S 10 B T. A yellow pine 8 ins.dia.,bears N.62 $\frac{1}{4}$ °W.70 lks.dist., mkd.WC $\frac{1}{4}$ S'9 B T.
41.10	Creek 3 lks.wide 2 ins.deep in wash 20 lks.wide 3 ft. deep,700 ft.below top of breaks,course NW. Ascend.
61.25	Top of sharp ridge,300 ft.above creek bears NW and SE. Descend.
67.00	Foot of steep descent bears NW and SE. Descend gradually,ground covered with numerous large boulders broken from pink cliffs E.of line.
71.40	Creek 3 lks.wide 3 ins.deep,course W.
75.00	Bottom of hollow,150 ft.below ridge,course S.70°W. Ascend gradually.
80.00	Set a sandstone 16x12x8 ins.11 ins.in the ground,for cor.of secs.3,4,9 and 10,mkd.with 5 notches on S.and 3 notches on E.edges;from which A yellow pine 18 ins.dia.,bears N.28 $\frac{1}{4}$ °E.37 lks.dist., mkd. T 37 S R 9 W S 3 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

A yellow pine 20 ins.dia., bears S 20° E.52 lks.dist.,
mkd. T 37 S R 9 W S 10 B T.

A yellow pine 20 ins.dia., bears S.55° W.52 lks.dist.,
mkd. T 37 S R 9 W S 9 B T.

A yellow pine 24 ins.dia., bears N.63 $\frac{3}{4}$ ° W.29 lks.dist.,
mkd. T 37 S R 9 W S 4 B T.

Land mountainous.

Soil, stony and gravelly; 3rd. and 4th. rate.

Timber, pine, balsam, spruce and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 60.00 chs.

N.89°54' E. bet. secs. 3 and 10.

Over mountainous land; through heavy timber.

Descend.

6.00 Bottom of hollow 100 ft. below sec. cor. course S.30°W.

Ascend abruptly.

25.40 Foot of ledges about 500 ft. high bears N. and S.

It is impracticable to continue line further ; therefore
at this point I

Set a red sandstone 16x10x6 ins., 11 ins. in the ground,
for W C to $\frac{1}{4}$ cor. bet. secs. 3 and 10.

marked $\frac{1}{4}$ W C on N. face; from which

A red pine 12 ins.dia., bears N.27 $\frac{1}{2}$ ° W.19 lks.dist.,
mkd. W C $\frac{1}{4}$ S 3 B T.

A red pine 8 ins.dia., bears S 37° E.16 lks.dist.,
mkd. W C $\frac{1}{4}$ S 10 B T.

Subdivision of T.37.S., R.9 W.-Continued.

Chains.

301210

Land mountainous and very rough.

Soil, rocky and gravelly; 4th. and 3rd. rate.

Timber, pine and balsam.

Mountainous or heavily timbered land, 25.40 chs.

Note:-The E. 54.60 chs. of this line not run is composed of high precipitous and broken ledges and deep canon gorges in breaks of Cedar canon.

N.0°-02' W. on a random line bet. secs 3 and 4.

14.52 Intersect N.bdy. of Tp. 7 lks. W. of the cor. of secs. 3, 4, 33 and 34; heretofore described in the notes of the N.bdy. of this Tp.

Thence I run

S.0° 15' W. on a true line bet. secs 3 and 4.

Over mountainous land; through heavy timber.

Descend gradually.

6.00 Bottom of hollow, 59 ft. below sec. cor., course N.80°W.
Ascend.

10.00 Top of ridge 80 ft. above hollow bears E. and W.
Descend.

14.52 The cor. of secs. 3, 4, 9 and 10, 100 ft. below ridge.
Land mountainous.

Soil, stony and gravelly; 4th. and 3rd. rate.

Timber, pine, balsam and spruce.

Good grass for grazing.

Mountainous or heavily timbered land, 14.52 chs.

September 20, 1910.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

September 21, 1910: At 7h 53m a.m., l.m.t., I set off 37° 33' N. on the lat. arc; 0° 55' N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 32 and 33, on S. bdy. of Tp., heretofore described.

Thence I run

N. 0° 3' W. bet. secs. 32 and 33.

Over mountainous land; through scattering timber and dense undergrowth.

Ascend gradually.

4.50 Top of spur 25 ft. above sec. cor., bears NW and SE.

Descend gradually.

16.90 Creek 3 lks. wide 3 ins. deep in bottom of ravine, 100 ft. below spur, course S. 10° E.

Ascend.

40.00 Set a brown sandstone 16x12x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

An aspen 4 ins. dia., bears S. 61° E. 25 lks. dist.,
mkd. $\frac{1}{4}$ S 33 1 T.

An aspen 5 ins. dia., bears S. 68 $\frac{1}{2}$ ° W. 21 lks. dist.,
mkd. $\frac{1}{4}$ S 32 1 T.

This cor. is 100 ft. above ravine.

Frank B. Webster's cabin bears N. 65° W. about 2.50 chs. dist.

A spring bears NE of cabin about 1.00 ch.

Fenced enclosure of cultivated land, bears E. of cabin about 3.00 chs. dist.

From this point Frank B. Webster's corral bears S. 78° W. about 6.50 chs. dist.

50.00 Road bears NE and SW.

Head of hollow 50 ft. deep, course S. 10° W.

Line of fence poles for construction of fence bears NE and SW.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Continue ascent.

31.00 Set a sandstone 16x14x6 ins., 11 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges; from which

An aspen 6 ins. dia., bears N. 54° E. 110 lks. dist.,
mkd. T 37 S R 9 W S 28 B T.

An aspen 6 ins. dia., bears S. 33½° E. 97 lks. dist.,
mkd. T 37 S R 9 W S 33 B T.

An aspen 6 ins. dia., bears S. 19½° W. 109 lks. dist.,
mkd. T 37 S R 9 W S 32 B T.

An aspen 7 ins. dia., bears N. 45° W. 147 lks. dist.,
mkd. T 37 S R 9 W S 29 B T.

This cor. is 100 ft. above head of hollow.

Land mountainous.

Soil, gravelly loam and stony; 2nd. and 4th. rate.

Timber, pine, aspen and balsam.

Undergrowth, oak, serviceberry and aspen saplings.

Good grass for grazing.

Mountainous land or land covered with dense undergrowth

30.00 chs.

S. 39° 58' E. on a random line bet. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.

32.00 Intersect N. and S. line 18 lks. S. of the cor. of secs.
27, 28, 33 and 34.

Thence I run

S. 69° 54' W. on a true line bet. secs. 28 and 33.

Over mountainous land; through heavy aspen and pine
timber and dense undergrowth.

See end.

1.00 Deep Creek 6 lks. wide, 3 ins. deep, in hollow 150 ft. below

Subdivision of T.37 S., R.9 W.-Continued.

Chains.	sec.cor., course SW.
	Ascend.
25.50	Top of ridge 200 ft.above creek, bears N.10° E. and S. 10° W.
	John Adams cabin bears S.45° E.about 9.00 chs.dist.
	Corral bears S. 3° E.about 16.00 chs.dist.
	Descend.
28.00.	Bottom of hollow 100 ft.below ridge, course S.20° W.
	Ascend.
32.00	Top of ridge, 50 ft.above hollow, bears N.15° E. and S. 15° W.
	Descend.
37.00	Bottom of hollow 50 ft.below ridge, course S.10° E.
	Road bears N.10° W. and S.10° E.
	Ascend,
39.96	Set a volcanic stone 1x10x3 ins., 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., $\frac{1}{4}$ on N.face:from which
	A pine 12 ins.dia., bears N.62° E.79 ins.dist.,
	mkd. $\frac{1}{4}$ S 28 E T.
	A pine 24 ins.dia., bears S.37° E.177 ins.dist.,
	mkd. $\frac{1}{4}$ S 33 E T.
41.75	Top of ridge 20 ft.above $\frac{1}{4}$ sec.cor., bears N. and S.
52.00	Begin abrupt descent of steep rocky N.slope, course N. and S.
55.00	Foot of steep descent bears N. and S.
	Enter log in hollow.
	Descend gradually.
57.40	Creek 4 lks.wide 3 ins.de p, in hollow, 150 ft.below ridge, course S.20° W.
	Ascend.
59.00	Begin more abrupt ascent bears N.20° E. and S.20° W.
61.00	Top of steep ascent 100 ft.above creek, bears N. and S.
	Ascend gradually.
67.50	Top of ridge 300 ft.above creek bears N.20° E. and S. 20° W.

Subdivision of T.37 S.1, R.9 W. Continued.

Chains.

Enter heavy aspen timber bears N. and S.

Descend.

75.00 Creek 2 lks. wide 2 ins. deep, in hollow 100 ft. below
ridge, course S. 5° W.

Ascend.

79.92 The cor. of secs. 28, 29, 32 and 33, 75 ft. above creek.

Land mountainous.

Soil, gravelly loam and stony; 2nd. and 4th. rate.

Timber, pine, aspen and balsam.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 79.92 chs..

September 21, 1910: At this cor. I set off $0^{\circ}51'$ N. on the
decl. arc; and, at 11h 53m a.m., l.m.t., observe the sun on
the meridian; the resulting lat. is $37^{\circ}34'$ N., which is
the proper lat. nearly.

N. $0^{\circ}3'$ W. bet. secs. 28 and 29.

Over mountainous land; through heavy timber and dense
undergrowth.

Ascend.

80.00 Top of ridge 300 ft. above sec. cor., bears E. and W.

Descend.

87.00 Hollow 120 ft. deep, course N. 80° E.

Ascend.

90.00 Ridge 80 ft. above hollow bears E. and W. Descend.

98.00 Spring branch 1 lk. wide 2 ins. deep in hollow 100 ft.
below ridge, course S. 70° E.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Ascend.

40.00

Set a sandstone 24x12x4 ins., 18 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

An aspen 12 ins. dia., bears N. 51° E. 46 lks. dist.,
 mkd. $\frac{1}{4}$ S 28 B T.

An aspen 15 ins. dia., bears N. 47° W. 18 lks. dist.,
 mkd. $\frac{1}{4}$ S 29 B T.

70.00

Top of ridge 500 ft above hollow, bears N. 70° E. and S.
 70° W.

Descend.

80.00

Set a sandstone 16x12x6 ins., 11 ins. in the ground, for
 cor. of secs. 20, 21, 28 and 29, marked with 2 notches on
 S. and 4 notches on E. edges; from which

An aspen 10 ins. dia., bears N. 43 $\frac{1}{2}$ ° E. 61 lks. dist.,
 mkd. T 37 S R 9 W S 21 B T.

An aspen 5 ins. dia., bears S. 47 $\frac{1}{4}$ ° E. 34 lks. dist.,
 mkd. T 37 S R 9 W S 28 B T.

An aspen 7 ins. dia., bears S. 72° W. 39 lks. dist.,
 mkd. T 37 S R 9 W S 29 B T.

An aspen 8 ins. dia., bears N. 61° W. 22 lks. dist.,
 mkd. T 37 S R 9 W S 20 B T.

Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, aspen and balsam.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 54' E. on a random line bet. secs. 21 and 28.

Subdivision of T.37 S.3.9 W. Continued.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.06	Intersect N. and S.line 14 lks.N.of the cor.of secs.21, 22,27 and 28, Thence I run W. on a true line bet.secs.21 and 28. Over mountainous land;through heavy timber and scatter- ing undergrowth. Descend.
40.03	Set a porphyry stone 24x12x5 ins.,18 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N. face;from which An aspen 12 ins.dia.,bears N.52° W.45 lks.dist., mkd. $\frac{1}{4}$ S 21 B T. A pine 24 ins.dia.,bears S.72° W.55 lks.dist., mkd. $\frac{1}{4}$ S 28 B T. This cor.is 150 ft.below sec.cor.
49.00	Hollow 30 ft.deep,course S 20° E. Ascend.
49.90	Old road bears N.20° W. and S.20° E.
56.40	Top of ridge,50 ft.above hollow,bears N.and S. Descend.
63.80	Creek 3 lks.wide,4 ins.deep in bottom of hollow,100 ft. below $\frac{1}{4}$ sec.cor.,course S.30° E. Ascend.
64.25	Evan Williams cabin bears N.14° W.about 8.00 chs.dist. Corral about 2.00 chs.N. of house.
80.06	The cor.of secs.20,21,28 and 29,about 100 ft.above creek. Land mountainous. Soil,loam and gravelly;1st.and 3rd.rate. Timber,pine,balsam and aspen. Undergrowth,oak and serviceberry. Good grass for grazing.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Mountainous or heavily timbered land, 80.06 chs.

September 21, 1910.

September 22, 1910: At 7h 53m a.m., l.m.t., I set off $37^{\circ} 35'$ N. on the lat. arc; $0^{\circ} 32'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence I run

N. $0^{\circ} 3'$ W. bet. secs. 20 and 21.

Over mountainous land; through heavy timber and scattering undergrowth.

Descend.

2.30 Spring branch 1 lk. wide, 2 ins. deep, in bottom of hollow 30 ft. below sec. cor., course E.

Ascend.

7.20 Top of spur, 50 ft. above spring branch and hollow, bears E. and W.

Descend.

10.30 Spring branch 2 lks. wide 2 ins. deep, in hollow 10 ft. deep, course S. 70° E.

Continue descent.

11.25 Corner of Evan Williams pasture fence about 100 lks. E. of line, bears N. 10° E. and SE.

15.45 Enter swamp bears N. 40° W. and S. 40° E.

Leave timber and enter dense willows, bears N. 40° W. and S. 40° E.

16.70 Francis Webster's old cabin, bears W. about 3.00 chs. dist.

Corral bears NW of cabin about 2.00 chs. dist.

Subdivision of T. 37 S., R. 9 W. - Continued.

Chains.	
17.00	Enter meadow bears NW and SE. Leave swampy ground
17.10	Creek in meadow 3 lks. wide, 2 ins. deep, course SE.
23.00	Leave meadow and bottom of hollow, bears NW and SE. Leave willows and enter heavy timber bears NW and SE. Ascend.
36.65	Old road bears NW and S. 20° E.
40.00	Set a sandstone 15x8x6 ins., 10 ins. in the ground, for ¼ sec. cor. mkd. ¼ on W. face; from which A balsam 36 ins. dia., bears N. 74½° E. 84 lks. dist., mkd. ¼ S 21 B T. An aspen 8 ins. dia., bears N. 60° W. 41 lks. dist., mkd. ¼ S 20 B T. This cor. is 100 ft. above meadow.
61.00	Top of divide ridge 200 ft. above ¼ sec. cor., bears N. 80° W. and S. 80° E. Descend.
74.00	Foot of descent 250 ft. below top of ridge, bears NW and SE. Enter swampy ground bears NW and SE. Descend more gradually.
80.00	Set a sandstone 24x10x4 ins., 18 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, mkd. with 3 notches on S. and 4 notches on E. edges; from which A balsam 10 ins. dia., bears N. 66½° E. 55 lks. dist., mkd. T 37 S R 9 W S 16 B T. A spruce 24 ins. dia., bears S. 55½° E. 108 lks. dist., mkd. T 37 S R 9 W S 21 B T. A spruce 18 ins. dia., bears S. 30½° E. 57 lks. dist., mkd. T 37 S R 9 W S 20 B T. A spruce 6 ins. dia., bears N. 70½° W. 20 lks. dist., mkd. T 37 S R 9 W S 17 B T. Land mountainous.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Soil, gravelly and stony; 3rd. and 4th. rate:

Timber, pine, aspen, spruce and balsam.

Undergrowth, oak, serviceberry and willows.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

E. on a random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line 7 lks. S. of the cor. of secs. 15, 16, 21 and 22.

Thence I run

S. $89^{\circ}57'$ W. on a true line bet. secs. 16 and 21.

Over mountainous land; through dense undergrowth and scattering timber.

Descend.

6.00 Head of ravine 50 ft. below sec. cor. course S. 20° W.

Ascend.

18.40 Top of ascent and top of breaks of Cedar Canon 100 ft. above ravine bears N. 65° E. and S. 65° W.

Descend abruptly over broken ledges.

27.20 Foot of steep descent 500 ft. below top of ledges, bears NE and SW.

Leave ledges bears NE and SW.

Enter heavy timber, bears NE and SW.

Descend more gradually.

37.80 Creek 1 lk. wide 1 in. deep in head of hollow, course N. 70° W.

40.01 Set a sandstone 16x10x6 ins., 11 ins. in the ground, for

Subdivision of T. 37 N., R. 20 W., Sec. 16.

Chains.

 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A red pine 12 ins. dia., bears N. 24° E. 56 1/2 lks. dist.,
mkd. $\frac{1}{4}$ S 16 B T.

A red pine 16 ins. dia., bears S. $60\frac{1}{2}^{\circ}$ W. 84 lks. dist.,
mkd. $\frac{1}{4}$ S. 21 B T.

46.00 Hollow 800 ft. below sec. cor. course N. and S.
Ascend.

49.30 Top of ridge, 80 ft. above hollow, bears N. and S.
Descend.

55.00 Bottom of hollow, 100 ft. below ridge, course NW.
Ascend.

62.40 Top of rocky ridge 100 ft. above hollow bears NW and
SE.
Descend.

76.80 Spring branch 2 lks. wide, 2 ins. deep, course N. 60° W.
Enter swampy ground bears N. 60° W. and S. 60° E.

80.02 The cor. of secs. 16, 17, 20 and 21, 300 ft. below $\frac{1}{4}$ sec.
cor.

Land mountainous.

Soil, stony and gravelly; 4th. and 3rd. rate.

Timber, pine, spruce, balsam and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous land or land covered with dense under-
growth, 80.02 chs.

September 22, 1910: At the noon hour the sky is overcast
and solar observations are impossible.

N. $0^{\circ}3'$ W. bet. secs. 16 and 17.

Subdivision of T.37 S., R.9 W.-Continued.

Chains

- Over mountainous land; through scattering timber, and scattering undergrowth.
- Descend over swampy ground.
- 4.00 Spring branch 2 lks. wide 2 ins. deep, in hollow 60 ft. below sec. cor., course NW.
- Leave swampy ground bears NW and SE.
- Continue descent.
- 8.70 Creek 3 lks. wide 2 ins. deep, in bottom of hollow, 150 ft. below sec. cor., course N. 60° W.
- Ascend.
- 10.00 Trail bears N. 70° W. and S. 70° E.
- 17.00 Top of spur 150 ft. above hollow, bears E. and W.
- Descend.
- 22.70 Creek 8 lks. wide, 4 ins. deep, at foot of descent 150 ft. below spur, course N. 70° W.
- Enter heavy pine timber bears E. and W.
- Thence ascend across bottom of broad hollow which is cut by numerous small washes.
- 35.00 Leave bottom of hollow bears E. and W.
- Begin abrupt ascent of steep S. slope, bears E. and W.
- 38.00 Leave heavy and enter scattering timber bears E. and W.
- 40.00 Set a sandstone 20x8x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- A yellow pine 10 ins. dia., bears N. 71 $\frac{1}{4}$ ° E. 7 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.
- A red pine 12 ins. dia., bears N. 65 $\frac{3}{4}$ ° W. 47 lks. dist., marked $\frac{1}{4}$ S 17 B T.
- This cor. is 150 ft. above hollow.
- 58.00 Top of ridge 800 ft. above canon, bears N. 70° E. and S. 70° W.
- Descend
- 69.10 Old drag road and trail in hollow 150 ft. below ridge. bears N. 70° W. and S. 70° E.

Subdivision of T. 57 N., R. 9 W. - Continued.

Chains.

Ascend.

77.00

Top of ridge, 150 ft. above hollow bears N. 70° W. and
S. 70° E.

Descend.

80.00

Set a volcanic stone 18x12x8 ins., 12 ins. in the ground,
for cor. of secs. 8, 9, 16 and 17, marked with 4 notches
on S. and 4 notches on E. edges; from which

A balsam 18 ins. dia., bears N. 51 $\frac{3}{4}$ ° E. 37 lks. dist.,
mkd. T 37 S R 9 W S 9 B T.

A balsam 8 ins. dia., bears S. 22 $\frac{1}{4}$ ° E. 39 lks. dist.,
mkd. T 37 S R 9 W S 16 B T.

A red pine 18 ins. dia., bears S. 60° W. 71 lks. dist.,
mkd. T 37 S R 9 W S 17 B T.

A red pine 10 ins. dia., bears N. 49 $\frac{1}{4}$ ° W. 194 lks. dist.,
mkd. T 37 S R 9 W S 8 B T.

This cor. is 50 ft. below top of ridge.

Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, spruce, balsam and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. 89° 57' E. on a random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line 5 lks. N. of the cor. of secs.
9, 10, 15 and 16.

Thence I run

S. 89° 59' W. on a true line bet. secs. 9 and 16.

Subdivision of T.37 S., R.9 W.-Continued.

Chains

- Over mountainous land; through heavy timber.
- Descend abruptly over broken ledges.
- 1.30 Perpendicular ledge, 100 ft. high bears N. and S.
- 5.00 Foot of main ledges 300 ft. below sec. cor. bears N. and S.
- Continue abrupt descent.
- 17.00 Bottom of canon, 800 ft. below sec. cor., course N. 35° W.
Creek 3 lks. wide, 3 ins. deep, course N. 35° W.
Ascend.
- 19.00 Ridge 40 ft. above creek, bears N. 20° W. and S. 70° E.
Descend.
- 23.00 Hollow 70 ft. below ridge, course N. 20° W.
A spring bears N. 20° W. of line about 1.00 chs. and drains N. 20° W.
Ascend.
- 24.80 Ridge 70 ft. above hollow, bears N. 20° W. and S. 70° E.
Descend.
- 30.40 Hollow 80 ft. below ridge, course N. 20° W.
Ascend.
- 32.50 Top of ridge 150 ft. above hollow bears N. 10° E. and S. 20° W.
Descend rapidly.
- 36.40 Creek 3 lks. wide, 3 ins. deep, in hollow 100 ft. below ridge, course N. 20° W.
Ascend.
- 38.00 E. edge of fallen timber caused by snow slide bears N. and S.
- 39.00 W. edge of fallen timber caused by snow slide bears N. and S.
- 40.00 Set a sandstone 16x8x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

Subdivision of T.37 S., R.9 W.—Continued.

Chains.

amland

A balsam 12 ins.dia., bears N.56° E.30 lks.dist.,
mkd. $\frac{1}{4}$ S 9° B T.

A balsam 10 ins.dia., bears S.41° W.19 lks.dist.,
mkd. $\frac{1}{4}$ S 16° B T.

This cor.is 25 ft.above creek.

43.50 Begin more abrupt ascent bears N.10° E. and S.10°W.

45.00 Spring branch 1 lk.wide, 1 in.deep, course N.10°E.

49.50 Spring branch 1 lk.wide, 1 in.deep, course N.

56.80 Top of ridge, 350 ft.above $\frac{1}{4}$ sec.cor., bears N.30° E.
and S.

Descend.

63.25 Trail bears N.60° W. and S.60° E.

63.75 Bottom of ravine 100 ft.below ridge, course N.60° W.
Ascend..

80.00 The cor.of secs.8, 9, 16 and 17, 100 ft.above ravine.
Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, spruce, balsam and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

September 22, 1910.

September 23, 1910: At 7h 53m a.m., l.m.t., I set off 37°
36' N. of the lat. arc; 0° 8' N. on the decl. arc; and deter-
mine a meridian with the solar, at the cor. of secs. 8,
9, 16 and 17.

Thence I run

N. 0° 3' W. bet. secs. 8 and 9.

Over mountainous land; through heavy timber and scatter-
ing undergrowth.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Descend.

13.50 Bottom of hollow, 100 ft. below sec. cor., course NW.

Ascend.

15.00 Drag road and trail bears NW and SE.

26.50 Top of ridge, 100 ft. above hollow, bears NW and SE.

Descend.

36.50 Bottom of hollow 80 ft. below ridge, course N.80° W.

Ascend.

40.00 Set a sandstone 16x8x4 ins., 11 ins. in the ground, for
¼ sec. cor. mkd. ¼ on W. face; from whichA yellow pine 24 ins. dia., bears N.85¼° E. 45 lks. dist.,
mkd. ¼ S 9 B T.A balsam 8 ins. dia., bears S.18° W. 35 lks. dist.,
mkd. ¼ S 8 B T.40.30 Top of ridge, 100 ft. above hollow, bears N.80°W. and
S.80°E.

Descend.

78.70 Bottom of long hollow 400 ft. below ridge, course
N.70°W.

Ascend.

80.00 Set a limestone 18x10x6 ins., 12 ins. in the ground,
for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on
S. and 4 notches on E. edges; from whichAn aspen 6 ins. dia., bears N.4° E. 13 lks. dist.,
mkd. T 37 S R 9 W S 4 B T.An aspen 14 ins. dia., bears S.25° E. 159 lks. dist.,
mkd. T 37 S R 9 W S 9 B T.An aspen 4 ins. dia., bears S.55¼°W. 85 lks. dist.,
mkd. T 37 S R 9 W S 8 B T.A red pine 18 ins. dia., bears N.37° W. 132 lks. dist.,
mkd. T 37 S R 9 W S 5 B T.

Land mountainous.

Subdivision of T.37 N.3 E.9 W. Continued.

Chains.

Soil, gravelly loam and rocky; 2nd. and 4th. rates.

Timber, pine, aspen, spruce and balsam.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N. $89^{\circ}59'$ E. on a random line bet. secs 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line 12 lks. N. of the cor. of secs. 3, 4, 9 and 10.

September 23, 1910: At this cor. I set off $0^{\circ}4'$ N. on the decl. arc; and at 11h 53m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ}37'$ N., which is the proper lat. nearly.

Thence I run

N. $89^{\circ}56'$ W. on a true line bet. secs. 4 and 9.

Over mountainous land; through heavy timber.

Ascend.

3.60 Top of ridge, 75 ft. above sec. cor. bears N. 60° E. and S. 60° W.

Descend abruptly.

31.00 Foot of ledges 80 ft. high, bears N. 60° W. and S. 60° E. Begin more gradual descent.

32.00 Creek 4 lks. wide, 4 ins. deep, in wash 50 lks. wide, 10 ft. deep, course N. 70° W.

Ascend.

39.30 Creek 4 lks. wide, 4 ins. deep, in wash, course N. 50° W.

40.00 Set a sandstone 24x8x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

A spruce 12 ins.dia., bears N.42 $\frac{3}{4}$ °W.25 lks.dist.,
mkd. $\frac{1}{4}$ S 4 B T.

A spruce 6 ins.dia., bears S.69 $\frac{3}{4}$ °E.62 lks.dist.,
mkd. $\frac{1}{4}$ S 9 B T.

This cor.is about 500 ft.below the sec.cor.

40.75 Creek 4 lks.wide, 4 ins.deep, in bottom of canon, course
NW.

Ascend.

45.00 Top of ridge, 50 ft.above creek bears N. and S.
Descend.

49.70 Bottom of hollow, 50 ft.below ridge, course NW.
Ascend.

54.70 Top of sharp ridge, 150 ft.above hollow, bears NW and SE.
Descend.

62.00 Bottom of hollow, 100 ft; below ridge, course N.60°E.
Ascend abruptly.

67.00 Top of ridge, 150 ft.above hollow, bears N.80°W.and S.
Descend.

80.00 The cor.of secs.4, 5, 8 and 9, 75 ft.below ridge.
Land mountainous.

Soil, stony and gravelly; 4th.and 3rd.rate.

Timber, pine, spruce, balsam and aspen.

Good grass for grazing.

Mountainous or heavily timbered land, 80.00 chs.

N.0°-03'W. on a random line bet.secs.4 and 5.

14.32 Intersect.N.bdy.of Tp.at 5 lks.W.of the cor.of secs.4,
5, 32 and 33; heretofore described.

Thence I. run S. $0^{\circ}10'$ W. on a true line bet. secs. 4 and 5.
Over mountainous land; through heavy timber and dense undergrowth.
Descend.
Gulch 10 ft. below cor., course W.
Ascend.
Point of sharp ridge, 15 ft. above gulch, bears E. and W.
Descend.
Bottom of steep rocky gulch, 25 ft. below point of ridge, course N. 70° W.
Ascend.
Creek 1 lk. wide, 2 ins. deep, on steep side hill, course NW.
Top of ridge, 300 ft. above gulch, bears E. and N. 80° W.
Descend.
The cor. of secs. 4, 5, 8 and 9. 25 ft. below ridge.
Land mountainous.
Soil, stony and gravelly; 4th. and 3rd. rate.
Timber, pine, spruce, balsam and aspen.
Undergrowth, oak and serviceberry.
Good grass for grazing.
Mountainous or heavily timbered land, or land covered with dense undergrowth, 14.32 chs.

September 23, 1910.

September 24, 1910: At 7h 52m a.m., l.m.t., I set off 37° 33' N. on the lat. arc; 0° 15' S. on the decl. arc; and

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

- determine a meridian with the solar at the cor. of secs. 31 and 32, on S. bdy. of Tp. heretofore described.
- Thence I run
- N. $0^{\circ}3'$ W. bet. secs. 31 and 32.
- Over rolling mesa; through heavy timber and scattering undergrowth.
- Ascend.
- 13.70 Foot of volcanic boulders, bears NE and SW.
- Ascend abruptly over volcanic boulders.
- Leave mesa bears NE and SW.
- 16.70 Begin more gradual ascent, bears NE and SW.
- 19.00 Leave heavy and enter scattering timber bears NE and SW.
- 26.00 Leave volcanic rocks bears NE and SW.
- Enter heavy timber bears NE and SW.
- Continue ascent.
- 40.00 Set a volcanic stone 15x12x4 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
- An aspen 4 ins. dia., bears S. $32\frac{1}{2}^{\circ}$ E. 22 lks. dist.,
mkd. $\frac{1}{4}$ S 32 E T.
- An aspen 5 ins. dia., bears S. $46\frac{1}{2}^{\circ}$ W. 26 lks. dist.,
mkd. $\frac{1}{4}$ S 31 E T.
- This cor. is 100 ft. above volcanic rock bed.
- 41.35 Road bears N. 70° E. and S. 70° W.
- 43.85 Old road bears N. 70° E. and S. 70° W.
- 30.00 Set a volcanic stone 18x15x8 ins. 12 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on S. and 5 notches on E. edges; from which
- An aspen 6 ins. dia., bears N. $42\frac{3}{4}^{\circ}$ E. 58 lks. dist.,
mkd. T 37 S R 9 W S 29 E T.
- An aspen 6 ins. dia., bears S. $34\frac{3}{4}^{\circ}$ E. 73 lks. dist.,
mkd. T 37 S R 9 W S 32 E T.
- An aspen 6 ins. dia., bears S. $32\frac{1}{4}^{\circ}$ W. 53 lks. dist.,
mkd. T 37 S R 9 W S 31 E T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

An aspen 7 ins.dia., bears N.64½° W.109 lks.dist.,
mkd. T 37 S R 9 W S 30 B T.

This cor.is 150 ft.above ¼ sec.cor.

Land mountainous and nearly level.

Soil, rocky and gravelly loam; 4th. and 2nd. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, 89.00 chs.

S.89°40' E.on a random line bet.secs.29 and 32.

40.00 Set temp.¼ sec.cor.

60.00 Intersect N. and S.line 2 lks.N.of the cor.of secs
28, 29, 32 and 33.

Thence I run

N.89°39' W.on a true line bet.secs.29 and 32.

Over mountainous land; through scattering timber and
dense undergrowth.

Ascend.

11.00 Top of ridge 200 ft.above sec.cor., bears NW and S.20°E.

Descend.

20.25 Creek 2 lks.wide 3 ins.deep, in hollow 200 ft.below
ridge, course S.20°E.

Ascend.

02.40 Old road and trail bears N.20°W.and S.20°E.

30.00 Top of steep ascent edge of mesa 200 ft.above creek
bears N. and S.

Enter heavy timber bears N. and S.

Descend.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

- 40.00 Set a sandstone 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 An aspen 8 ins. dia., bears N. $61\frac{1}{4}^{\circ}$ W. 78 lks. dist.,
 Mkd. $\frac{1}{4}$ S 29 B T.
 An aspen 8 ins. dia., bears S. 74° E. 107 lks. dist.,
 mkd. $\frac{1}{4}$ S 32 B T.
- 44.70 Bottom of swale, 75 ft. below ridge, course SW.
 Continue descent.
- 45.70 Old road and trail bears NE and SW.
- 48.00 Same road bears NW and SE.
- 53.25 Kanarra Creek 3 lks. wide 2 ins. deep, in hollow 25 ft. deep, course S. 10° E.
 Ascend.
- 54.60 Road bears N. and S.
 Leave heavy timber bears N. and S.
- 56.00 Field fence bears N. and S.
- 69.50 Ascend over volcanic ledges bears N. and S.
- 70.75 Top of ledges bears N. and S. 75 ft. above foot of ledges.
 Enter heavy timber bears N. and S.
 Continue ascent.
- 80.00 The cor. of secs. 29, 30, 31 and 32, 25 ft. above top of ledges.
 Land mountainous.
 Soil, sandy loam and rocky; 2nd. and 4th. rate.
 Timber, pine and aspen.
 Undergrowth, oak, serviceberry and chokecherry.
 Good grass for grazing.
 Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
 September 24, 1910: At this cor. I set off $0^{\circ}20'$ S. on the decl. arc; and, at 11h^{52m} a.m., 1.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ}34'$ N. which is the proper lat. nearly.

Knowing that closing corners will be necessary on the W.

Subdivision of T. 37 S., R. 9 W., published.

- Chains. bdy. of the Tp., I run
 N. $89^{\circ}40'$ W. on a true line bet. secs. 50 and 51.
 Over mountainous land; through heavy timber and scattering undergrowth.
 Ascend.
- 4.55 Road to Cedar N. 15° W. and S. 15° E.
- 40.00 Set a volcanic stone $14 \times 12 \times 5$ ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
 An aspen 6 ins. dia., bears N. $44\frac{1}{2}^{\circ}$ E. 38 lks. dist.,
 mkd. $\frac{1}{4}$ S 30 B T.
 An aspen 6 ins. dia., bears S. $32\frac{1}{2}^{\circ}$ W 47 lks. dist.,
 mkd. $\frac{1}{4}$ S 31 B T.
 This cor. is 150 ft. above sec. cor.
 Continue gradual ascent.
- 43.00 Enter volcanic rocks bears N. and S.
- 45.00 Leave volcanic rocks bears N. and S.
- 73.85 Intersect W. bdy. of Tp 9.52 chs. S. $0^{\circ}22'$ E. of the old cor. of secs. 19, 24, 25 and 30, which is a volcanic stone $10 \times 7 \times 7$ ins., above ground, firmly set, and marked and witnessed as described by the Surveyor General.
 Set a volcanic stone $16 \times 10 \times 8$ ins., 11 ins. in the ground, for closing cor. of secs. 30 and 31, mkd. CC on E., with 1 groove on S. and 5 grooves on N. faces; from which
 An aspen 8 ins. dia., bears N. $55\frac{1}{2}^{\circ}$ E. 72 lks. dist.,
 mkd. T 37 S R 9 W S 30 B T.
 An aspen 14 ins. dia., bears S. $50\frac{1}{2}^{\circ}$ E. 145 lks. dist.,
 mkd. T 37 S R 9 W S 31 B T.
 Note. - I destroy all marks on the old cor. of secs. 19, 24, 25, and 30, which pertain to R. 9 W.; and as the old bearing trees for secs. 24 and 25 are partly decayed, I mark new bearing trees as follows:
 An aspen 8 ins. dia., bears S. $50\frac{1}{2}^{\circ}$ W. 105 lks. dist.,
 mkd. T 37 S R 10 W S 25 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

An aspen 5 ins.dia., bears N.73 $\frac{1}{2}$ ° W.34 lks.dist.,
mkd. T 37 S R 9 W S 24 B T.

Land mountainous.

Soil, loam mixed with black rocks; 3rd. rate.

Timber, aspen and pine.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, 73.85 chs.

N.0°3' W. bet. secs. 29 and 30.

Over mountainous land; through heavy timber and scattering undergrowth.

Ascend.

35.70 Road to Cedar City, bears N.20°E. and S.20°W.

40.00 Set a volcanic stone 14x10x8 ins., 9 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which

An aspen 3 ins.dia., bears N.74 $\frac{1}{2}$ ° E.26 lks.dist.,
mkd. $\frac{1}{4}$ S 29 B T.

An aspen 3 ins.dia., bears S.60 $\frac{1}{2}$ ° W.12 lks.dist.,
mkd. $\frac{1}{4}$ S 30 B T.

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of Cor.

This cor is 250 ft. above sec.cor.

41.50 Road to Cedar City bears N.20°W and S.10°E.

48.70 Road to Cedar City bears N.10°E and S.10°W.

59.65 Road to Cedar City bears N.20° W. and S.20° E.

Leave heavy and enter scattering timber bears NE and SE.

79.40 Old road to Statzers cabin bears N.70° E. and S.70°W.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

30.00 Set a sandstone 30x15x12 ins., 22 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 2' notches on S. and 5' notches on E. edges; from which

An aspen 10 ins. dia., bears N. $34\frac{1}{4}^{\circ}$ E. 125 lks. dist.,
mkd. T 37 S R 9 W S 20 B T.

An aspen 9 ins. dia., bears S. $19\frac{1}{4}^{\circ}$ E. 250 lks. dist.,
mkd. T 37 S R 9 W S 29 B T.

An aspen 9 ins. dia., bears S. $25\frac{1}{2}^{\circ}$ W. 165 lks. dist.,
mkd. T 37 S R 9 W S 30 B T.

An aspen 9 ins. dia., bears N. $43\frac{1}{2}^{\circ}$ W. 159 lks. dist.,
mkd. T 37 S R 9 W S 19 B T.

This cor. is 200 ft. above $\frac{1}{4}$ sec. cor.

SE cor. of John Statzer's cabin bears N. $56^{\circ}55'$ E. about 10.00 chs dist.

Spring about 1.00 ch. S. of cabin.

Old corral bears N. 75° E. about 19.00 chs. dist.

Land mountainous.

Soil, gravelly loam and rocky; 2nd. and 4th. rate.

Timber, pine, aspen and balsam.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, 30.00 chs.

September 24, 1910.

September 26, 1910: At 7h 52m a.m., l.m.t., I set off $37^{\circ}35'$ N. on the lat. arc; $1^{\circ}2'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

- Thence I run
S.89°39' E.on a random line bet.secs.20 and 29.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.08 Intersect N. and S. line 2 lks.S. of the cor.of secs.
20,21,28, and 29.
- Thence I run
N.89°40' W.on a true line bet.secs.20 and 29.
Over mountainous land;through scattering timber and
dense undergrowth.
Ascend.
- 19.50 Top of ridge,600 ft.above sec.cor.,bears NW and SE.
Descend.
- 25.75 Hollow 150 ft.below ridge,course S.20°W.
Ascend.
- 40.04 Set a limestone 16x8x6 ins. 11 ins.in the ground,for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
A balsam 24 ins.dia.,bears N.38 $\frac{1}{4}$ ° E.65 lks.dist.,
mkd. $\frac{1}{4}$ S 20 B T.
An aspen 5 ins.dia.,bears S.61 $\frac{1}{4}$ °E.136 lks.dist.,
mkd. $\frac{1}{4}$ S 29 B T.
- 40.70 Helaman Webster's,cabin bears S 26° W.about 30.00 chs.
dist. Dairy house adjoins W.side of cabin.
From this cabin a corral bears S.about 1.00 ch.dist.;
also a corral bears E.about 1.00 ch.dist.
About $\frac{1}{4}$ of an acre of land enclosed by fence and
cultivated as a garden bears NE of cabin about 2.00 chs.
- 42.50 Top of spur 150 ft.above hollow,bears N.20°E. and
S.20°W.
Descend.
- 47.50 Bottom of hollow 100 ft.below spur,course SW.
Ascend.
- 55.00 Top of spur 50 ft.above hollow,bears NE and SW.

Subdivision T.37. S., R.9 W.-Continued.

Chains.

Descend.

61.00 Leave timber bears NE and SW.

64.74 Creek 2 lks.wide 2 ins.deep,in hollow,course S.
Ascend.68.35 Creek 2 lks.wide, 2 ins.deep,course S.30° E.
Continue ascent.

73.00 Enter point of timber bears NW and SE.

74.25 Old road bears N.70° E. and S.70°W.

80.08 The cor.of secs.19,20,29 and 30,50 ft.above creek.
Land mountainous.

Soil,gravelly loam;2nd.rate.

Timber,pine and aspen.

Undergrowth,oak and serviceberry.

Good grass for grazing.

Mountainous land or land covered with dense under-
growth,80.08 chs.

For reasons already explained, I run

N.89° 40' W.on a true line bet.secs.19 and 30.

Over mountainous land;through heavy timber and dense
undergrowth.

Ascend gradually.

4.55 Road to Cedar City bears N.20°W.and S.20°E.

14.60 Old road bears N.20°W. and S.20° E.

15.00 Enter volcanic rocks bears N.20°W. and S.20° E.
Thence over lava bed.40.00 Set a volcanic stone 14x7x4 ins.,9 ins.in the ground,
for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from whichAn aspen 6 ins.dia.,bears N.2 $\frac{1}{2}$ ° W. 33 lks.dist.,
mkd. $\frac{1}{4}$ S 19° B T.

Subdivision of T.37 S., R.9 W.-Continued.

An aspen 6 ins.dia., bears S.46 $\frac{1}{2}$ °W.35 lks.dist.,
mkd. $\frac{1}{2}$ S 30 B.T.

This cor.is 150 ft.above sec.cor.

49.20 Top of ridge, 75 ft.above $\frac{1}{2}$ sec.cor., bears NW and SE.
Descend.

60.00 Lava bed bears NW and SE.

65.20 Remnants of old corral bears S.about 20.00 chs.dist.

73.65 Old fence bears N. and S.

73.75 Intersect W.bdy.of Tp.10.32 chs.S.0°12' E.of the old
cor.of secs 13,18,19 and 24, which is a volcanic stone
10x20x10 ins.above ground, firmly set and marked and
witnessed as described by the Surveyor General.
Set a volcanic stone 16x12x3 ins., 11 ins.in the ground,
for closing cor.of secs.19 and 30, marked 30 in 11;
with 4 grooves on N.and 2 grooves on E.face, from
which

An aspen 14 ins.dia., bears N.71°W.35 lks.dist.,
mkd. T 37 S R 9 W S 19 B T.

An aspen 12 ins.dia., bears S.73 $\frac{1}{2}$ °W.71 lks.dist.,
mkd. T 37 S R 9 W S 30 B T.

Note.-I destroy all marks on the cor.of secs.13,18,
19 and 24, which pertain to R.9 W.

Land mountainous.

Soil, stony and gravelly; 4th and 3rd rate.

Timber, aspen and pine.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 73.75 chs.

September 26, 1910: At the noon hour the sky is overcast
and solar observations are impossible.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.	
	N.0°3' W. bet. secs. 19 and 20.
	Over mountainous land; through heavy timber and dense undergrowth.
	Ascend gradually.
15.00	Top of divide between Cedar Canon and Three Creeks, 100 ft. above sec. cor. bears N.80°E and S.80°W.
	Descend over NW slope of ridge.
19.20	Dugway road to Cedar City bears N.20°E and S.20°W.
	Leave aspen and enter heavy pine timber bears NE and SW
33.50	Leave heavy and enter scatterint timber bears E. and W.
40.00	Set a limestone 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
	A red pine 8 ins. dia., bears N.37 $\frac{1}{2}$ ° E. 40 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.
	A red pine 8 ins. dia., bears N.69 $\frac{1}{2}$ ° W. 20 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.
	This cor. is 600 ft. below divide ridge.
55.30	Bottom of hollow, 100 ft. below $\frac{1}{4}$ sec. cor., course N.80°W.
	Ascend.
63.30	Road to Cedar City, bears N.70°W. and S.70°E.
	Top of ridge 150 ft. above hollow bears N.70°W. and S.70°E.
	Descend,
68.00	The bend in road to Cedar City is about 25 lks W. bears N.20°W. and SW.
80.00	Set a sandstone 18x9x9 ins., 12 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on E. edges; from which
	An aspen 6 ins. dia., bears N.45° E. 48 lks. dist., mkd. T 37 S R 9 W S 17 B T.
	An aspen 7 ins. dia., bears S.51° E. 81 lks. dist., mkd. T 37 S R 9 W S 20 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

An aspen 6 ins.dia., bears S. $30\frac{1}{2}^{\circ}$ W. 40 lks. dist.,
mkd. T 37 S R 9 W S 19 B T.

An aspen 6 ins.dia., bears N. $44\frac{1}{4}^{\circ}$ W. 39 lks. dist.,
mkd. T 37 S R 9 W S 18 B T.

Land mountainous.

Soil, gravelly; 3rd. rate.

Timber, aspen, pine, spruce and balsam.

Undergrowth, oak, serviceberry and elderberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
with dense undergrowth, 80.00 chs.

S. $89^{\circ} 40'$ E. on a random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line 14 lks. S. of the cor. of secs.
16, 17, 20 and 21.

Thence I run

N. $89^{\circ} 46'$ W. on a true line bet. secs. 17 and 20.

Over mountainous land; through heavy timber and scat-
tering undergrowth.

Ascend gradually over swampy ground.

4.50 Leave swampy ground bears NW and SE.

Ascend more abruptly.

20.00 Top of ridge 200 ft. above sec. cor., bears N. and S.
Descend.

28.40 Creek 1 lk. wide 1 in. deep, course N.

28.60 Hollow 200 ft. below ridge, course N.

Ascend.

33.50 Enter dense undergrowth bears NW and SE.

Subdivision of T. 37 S., R. 9 W., continued.

Chains.

- 40.06 Set a sandstone 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which
- An aspen 6 ins. dia., bears N. $57\frac{1}{2}^{\circ}$ W. 29 lks. dist.,
mkd. $\frac{1}{4}$ S 17 B T.
- An aspen 7 ins. dia., bears S. 40° W. 21 lks. dist.,
mkd. $\frac{1}{4}$ S 20 B T.
- 41.00 Top of ridge 250 ft. above hollow, bears N. 10° W. and S. 10° E.
- Descend.
- 59.60 Creek 1 lk. wide 1 in. deep in bottom of hollow, 100 ft. below ridge., course N.
- Ascend.
- 75.00 Top of ridge, 150 ft. above hollow bears N. 20° W and S. 20° E.
- Descend.
- 80.12 The cor. of secs. 17, 18, 19 and 20, 150 ft. below ridge.
- Land mountainous.
- Soil, gravelly; 3rd. rate.
- Timber, pine, balsam, spruce and aspen.
- Undergrowth, oak, serviceberry and elderberry.
- Good grass for grazing.
- Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.12 chs.

September 26, 1910.

September 27, 1910: At 7h^{51m} a.m., l.m.t., I set off 37° $36'$ N on the lat. arc; $1^{\circ}25'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

For reasons already explained I run from this cor.

N.89° 40' W. on a true line bet. secs. 18 and 19.

Over mountainous land; through heavy timber and dense undergrowth.

Descend.

4.90 Road to Cedar City bears N.15° W. and S.15° E. in bottom of hollow, 100 ft. below sec. cor., course N.15° W.

Ascend.

10.70 Trail on ridge 150 ft. above hollow, bears N.20° W. and S.20° E. with ridge.

Descend.

23.20 Trail bears N.10° W. and S.10° E.

Leave timber and enter dense willows bears N.10° W. and S.10° E.

24.75 Creek 4 lks. wide 6 ins. deep, in bottom of Canon 400 ft. below ridge, course N.10° W.

Ascend.

25.25 Trail bears N.10° W. and S.10° E.

Leave willows bears N.10° W. and S.10° E.

25.50 Old road bears N.10° E. and S.10° W.

Enter heavy timber bears N.10° E. and S.10° W.

30.00 Top of ridge 110 ft. above creek bears N. and S.

34.35 Creek 3 lks. wide 4 ins. deep in hollow, 130 ft. below ridge, course N.

Ascend.

35.00 Old road from Three Creeks to Cedar City bears N. 10° E. and S.10° W.

40.00 Set a sandstone 20x14x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

An aspen 6 ins. dia., bears N.22° W. 15 lks. dist.,
mkd. $\frac{1}{4}$ S 18 B T.

An aspen 10 ins. dia., bears S.17° W. 18 lks. dist.,
mkd. $\frac{1}{4}$ S 19 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.	This cor. is 200 ft. above creek.
42.25	Top of ridge 250 ft. above creek, bears N. and S. Descend.
46.60	Hollow 50 ft. below ridge, course N. Ascend.
47.95	Trail bears NE and SW.
60.00	Top of ridge 250 ft. above hollow, bears N. 40° W. and S. 40° E. Descend.
60.80	Trail bears NW and SE.
69.50	Trail bears N. and S. Mary Gower's cabin with corral adjoining bears S. Saw mill on creek 5.00 chs. SE of cabin. Leave timber bears N. and S.
74.13	Intersect W. bdy. of Tp., 9.97 chs. S. 0° 34' W. of the old cor. of secs. 7, 12, 13 and 18, which is a sandstone 10x10x 7 ins. above ground, firmly set and marked and witness- ed as described by the Surveyor General. Set a sandstone 20x12x10 ins., 15 ins. in the ground, for closing cor. of secs. 13 and 19, marked CC on E.; with 3 grooves on N. and 3 grooves on S. faces; and raise a mound of stone 3 ft. base 2 ft. high E. of Cor. Note.-I destroy all marks on the old cor. of secs. 7, 12, 13 and 18, which pertain to R. 9 W.; and mark bearing tree in sec. 12 as follows: A balsam 10 ins. dia., bears N. 10 $\frac{1}{2}$ ° W. 63 lks. dist., mkd. T 37 S R 10 W. S 12 B T. I destroy the old bearing tree in this sec. which is nearly decayed. Land mountainous. Soil, gravelly; 2nd. and 3rd. rate.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Timber, aspen, pine, balsam and cedar.

Undergrowth, oak, serviceberry, chokecherry and elderberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 74.13 chs.

N.0°3' W. bet. secs. 17 and 18.

Over mountainous land; through heavy timber and scattering undergrowth.

Descend.

18.00 Begin more abrupt descent bears E. and W.

20.05 Thomas Walker's cabin with corral adjoining bears N.76° E. about 13.50 chs. dist. Dairy house adjoins S. side of cabin; corral about 2.00 chs. NW. of cabin. Garden adjoins cabin and dairy house on East.

29.50 Foot of descent 600 ft. below sec. cor. bears N.80° W. and S.80° E.

Enter canon bottom bears N.80° W. and S.80° E.

Leave heavy and enter scattering timber bears N.80° W. and S.80° E.

30.00 Branch of coal creek 10 lks. wide, 4 ins. deep, rocky bottom, rapid current, course N.80° W.

30.75 New road to Cedar City bears S.70° E. and N.70° W.

31.25 Road bears N.80° W. and S.80° E.

33.60 Road bears N.70° W. and S.70° E.

34.00 Leave canon bottom and begin ascent of steep slope of ridge bears N.70° W. and S.70° E.

38.80 Top of ridge 150 ft. above canon bottom bears N.60° E. and S.60° W.

Thomas Jessup's old cabin with corral adjoining on N.

Subdivision of T.37 S., R.9 W. Continued.

Chains.	
	bears S. $68\frac{1}{2}^{\circ}$ W. about 13.50 chs. dist.
	Old saw mill site bears S. of cabin about 5.00 chs. dist.
	Descend.
40.00	Set a sandstone 24x10x4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	A balsam 8 ins. dia., bears S. $33\frac{1}{4}^{\circ}$ E. 8 lks. dist.,
	mkd. $\frac{1}{4}$ S 17 B T.
	A balsam 8 ins. dia., bears N. $45\frac{3}{4}^{\circ}$ W. 26 lks. dist.,
	mkd. $\frac{1}{4}$ S 18 B T.
46.00	Old corral bears W. 100 lks. dist.
46.70	E. C. Walker's old cabin bears W. about 140 lks. dist.,
	A spring N. of cabin 1.00 ch. dist.,
46.80	Trail bears N. 70° E. and S. 70° W.
47.00	Bottom of hollow 100 ft. below ridge, course S. 70° W.
	Ascend.
48.60	Trail bears NE and SW.
50.90	Trail bears N. 70° E. and S. 70° W.
58.00	Top of ridge 300 ft. above hollow bears NE and SW.
	Descend.
71.70	Road from Cedar City to Crystal bears N. 50° E. and
	S. 50° W.
	Bottom of hollow 100 ft. below ridge, course S. 50° W.
	Ascend.
76.50	Leave timber and enter dense undergrowth bears N. 70° E.
	and S. 70° W.
	Continue ascent over volcanic rocks in soil.
80.00	Set a volcanic stone 16x12x10 ins., 11 ins. in the ground,
	for cor. of secs. 7, 8, 17 and 18, marked with 4 notches
	on S. and 5 notches on E. edges; and raise a mound of stone
	2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
	This cor. is 200 ft. above hollow.
	Land mountainous.
	Soil, gravelly and stony; 2nd. and 4th. rate.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Timber, pine, balsam and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

September 27, 1910: At this cor. I set off $1^{\circ} 30'$ S. on the decl. arc; and at 11h 51m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $37^{\circ} 36'$ N. which is the proper lat. nearly.

S. $9^{\circ} 46'$ E. on a random line bet. secs. 3 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

40.10 Intersect N. and S. line 14 lks. E. of the cor. of secs. 3, 9, 15 and 17.

Thence I run

N. $89^{\circ} 52'$ W. on a true line bet. secs. 3 and 17.

Over mountainous land; through heavy timber and dense undergrowth.

Ascend,

7.00 Top of ridge about 50 ft. above sec. cor., bears N. 50° W. and S. 30° E.

Descend.

15.00 Hollow 25 ft. below ridge, course NW.

Ascend.

18.00 Top of ridge, 50 ft. above hollow bears NW and SE.

18.40 Old road bears N. 30° W. and S. 30° E.

From this point John E. Westerhold's cabin bears N.

$7\frac{1}{4}^{\circ}$ E. 20.75 chs. dist., From the cabin spring bears W.

1.00 ch. dist. Dairy adjoins E. side of cabin; calf pen

bears SW. of cabin 1.25 chs. and adjoins E. side of corral.

Subdivision of T.37 S., R.9 W. Continued.

Chains.

Corral bears SW of cabin 1.50 chs. dist.

The cabin is in the S. end of a fenced pasture containing about 40 acres.

This claim is known by the name of "CRYSTAL".

19.50 Bottom of hollow, 100 ft. below ridge, course NW.
Ascend.

27.00 Top of ridge 50 ft. above hollow bears N. 30° W. and
S. 30° E.
Descend.

37.15 Bottom of ravine, 50 ft. below ridge, course S. 15° W.
Road bears N. 15° E. and S. 15° W.
Ascend.

40.05 Set a sandstone 24x8x6 ins., 18 ins. in the ground, for
¼ sec. cor. marked ¼ on N. face; from which
A balsam 24 ins. dia., bears N. 44° E. 81 lks. dist.,
mkd. ¼ S 8 B T.
A balsam 26 ins. dia., bears S. 48° E. 53 lks. dist.,
mkd. ¼ S 17 B T.

49.00 Old road bears N. 60° W. and S. 40° E.

52.50 Top of ridge 200 ft. above ravine bears NW and S. 80° E.
Descend.

63.00 Trail, Crystal to Moots Hollow, bears NW and SE.

66.25 Road bears N. and S. in bottom of hollow 300 ft. below
ridge, course S.
Leave timber bears N. and S.
Ascend.

80.10 The cor. of secs. 7, 8, 17 and 18, 100 ft. above hollow.
Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

.with dense undergrowth, 80.10 chs.

For reasons already explained I run

N.89° 40' W. on a true line bet. secs. 7 and 18.

Over mountainous land; through dense undergrowth.

Ascend.

16.00 Top of spur 100 ft. above sec. cor., bears N.30° E.
and S.30° W.

George Wood's cabin with corral adjoining bears S.

35½° W. 53.00 chs dist. Spring 1 ch. SE. of cabin. Corral 2.50 chs. NW. of cabin; calf pen 3 chs. W. of cabin.

His field and pasture enclosed with pole fence, contain-

ing about 80 acres extends E. and W. of cabin. Dairy house adjoins E. side of cabin.

17.40 Trail to Moots Hollow bears NE and SW.

18.00 Enter heavy timber bears NE and SW.

Leave dense and enter scattering undergrowth bears NE and SW.

37.80 Trail bears N.30° E. and S.30° W.; in bottom of hollow 200 ft. below spur, course S.30° W.

Ascend.

40.00 Set a sandstone 24x8x4 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; from which

An aspen 7 ins. dia., bears N.15½° W. 20 lks. dist.,
mkd. ¼ S 7 B T.

An aspen 10 ins. dia., bears S.9½° W. 22 lks. dist.,
mkd. ¼ S 18 B T.

41.00 Trail bears N.30° E. and S.30° W.

41.50 Leave timber bears N.30° E. and S.30° W.

Enter dense undergrowth bears N.30° E. and S.30° W.

54.25 Top of ridge, 200 ft. above hollow, bears NE and SW.
Thence along top of ridge.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

62.80

Leave top of ridge bears N.20° E. and S.20° W.

Begin abrupt descent, over NW slope of ridge.

73.35

Intersect W.bdy. of Tp.11.96 chs. S.0°36' W. of the old cor. of secs. 1, 6, 7, and 12, heretofore described.

Set a sandstone 18x10x8 ins., 12 ins. in the ground, for closing cor. of secs. 7 and 18, marked CC on E.; with 2 grooves on N. and 4 grooves on S. faces; and raise a mound of stone 3 ft. base, 3 ft. high E. of cor. Note.-I destroy all marks on the cor. of secs. 1, 6, 7 and 12, which pertain to R.9 W.; and mark bearing tree for sec. 1 as follows:

A branch of cedar 12 ins. dia., bears N.74½° W. 275 lks. dist., mkd. T 37 S R 10 W S 1 B T.

Land mountainous.

Soil, gravelly and stony; 3rd. and 4th. rate.

Timber, aspen and pine.

Undergrowth, oak, serviceberry, and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 73.35 chs.

September 27, 1910.

September 28, 1910: At 7h 51m a.m., l.m.t., I set off 37° 36' N. on the lat. arc; 1°48' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

Thence I run

N.0° 3' W. bet. secs. 7 and 8.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Over mountainous land; through dense undergrowth.

Ascend abruptly.

7.90 Top of volcanic ledge 50 ft. high bears N.70° E. and
S.70° W.

8.00 Top of abrupt ascent bears E. and W.
Enter heavy pine and aspen timber bears E. and W.
Thence over nearly level ridge.

24.00 Begin abrupt descent bears NE and SW.

24.70 Lamoni I. Jones cabin bears N.83½° W.

34.00 Head of hollow, 100 ft. below ridge, course W.
Ascend.

39.00 Top of ridge, 100 ft. above head of hollow bears E.
and W.

40.00 Set a volcanic stone 16x8x8 ins., 11 ins. in the ground,
for ¼ sec. cor., marked ¼ on W. face; from which

An aspen 8 ins. dia., bears N.34° E. 31 lks. dist.,
mkd. ¼ S 8 B T.

An aspen 4 ins. dia., bears N.75½° W. 34 lks. dist.,
mkd. ¼ S 7 B T.

Descend over Northeasterly slope of ridge bears N.70°
and S.70° E.

80.00 Set a volcanic stone 18x10x8 ins., 17 ins. in the ground,
for cor. of secs. 5, 6, 7 and 8, mkd. with 8 notches on
on S. and E. edges; from which

An aspen 10 ins. dia., bears N.29° E. 22 lks. dist.,
mkd. T 37 S R 9 W S 5 B T.

An aspen 5 ins. dia., bears S.17° E. 24 lks. dist.,
mkd. T 37 S R 9 W S 8 B T.

An aspen 4 ins. dia., bears S.49½° W. 33 lks. dist.,
mkd. T 37 S R 9 W S 7 B T.

An aspen 7 ins. dia., bears N.40½° W. 31 lks. dist.,
mkd. T 37 S R 9 W S 6 B T.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Land mountainous.

Soil, loam, gravelly and stony; 2nd. 3rd. and 4th. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak and serviceberry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.

S. 89° 52' E. on a random line bet. secs. 5 and 8.

40.00 Set temp $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line 9 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence I run

N. 89° 48' W. on a true line bet. secs 5 and 8.

Over mountainous land; through heavy pine and aspen timber.

Descend along N. side of Long Hollow.

15.85 Trail in Long Hollow bears N. 80° W. and S. 80° E.

19.90 Bottom of Long Hollow, 50 ft. below sec. cor. course N. 80° W.

Ascend.

21.25 Junction of hollow from South with Long Hollow, course N. 80° W. from this point.

30.00 N. end of ridge 30 ft. above hollow bears N. and S. Descend.

35.00 Bottom of hollow 40 ft. below ridge, course N.

Ascend.

39.50 Top of ridge, 100 ft. above hollow bears N. and S.

Subdivision of T.37 S., R.9 W-Continued.

Chains.

Descend.

40.02 Set a sandstone 20x12x4 ins., 15 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which

A balsam 14 ins. dia., bears N. $30\frac{1}{2}^{\circ}$ E. 41 lks. dist.,
 mkd. $\frac{1}{4}$ S 5' B T.

A red pine 14 ins. dia., bears S. $22\frac{3}{4}^{\circ}$ E. 61 lks. dist.,
 mkd. $\frac{1}{4}$ S 8' B T.

44.00 Bottom of hollow, 100 ft. below ridge, course N.

Ascend.

51.70 Top of ridge, 200 ft. above hollow bears N. and S.

Descend.

68.25 ~~Creek~~ Crystal Creek 3 lks. wide 3 ins. deep, in bottom of canon 300 ft.
 below ridge, course N.

Ascend.

74.25 Top of ridge, 50 ft. above hollow bears N. and S.

Descend.

77.65 Bottom of hollow, 50 ft. below ridge, course N.

Ascend.

80.04 The cor. of secs. 5, 6, 7 and 8.

Land mountainous.

Soil, gravelly; 3rd. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered
 with dense undergrowth, 80.04 chs.

September 28, 1910: At the noon hour the sky is overcast
 and solar observations are impossible.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.	For reasons already explained, I run
	N.89°40' W. on a true line bet. secs. 6 and 7
	Over mountainous land; through heavy pine and aspen
	timber, and dense undergrowth.
	Ascend abruptly.
7.00	Top of abrupt ascent, E. edge of broad ridge, bears N.
	and S.
14.00	Begin abrupt descent.
	Leave ridge, bears NW and SE.
29.00	Bottom of hollow, 300 ft. below ridge, course NW.
	Ascend
30.50	Point of ridge 10 ft. above hollow bears N. and S.
32.00	Creek 2 lks. wide 3 ins. deep in hollow, 20 ft. below
	ridge, course N.
	Ascend.
40.00	Set a sandstone 18x12x5 ins., 12 ins. in the ground,
	for $\frac{1}{4}$ sec. cor. mkd. $\frac{1}{4}$ on N. face; from which
	A balsam 14 ins. dia., bears N. 82 $\frac{1}{2}$ ° E. 97 lks. dist.,
	mkd. $\frac{1}{4}$ S 6 B T.
	An aspen 4 ins. dia., bears S. 56 $\frac{1}{2}$ ° E. 45 lks. dist.,
	mkd. $\frac{1}{4}$ S 7 B T.
40.50	Top of ridge, 80 ft. above hollow bears N, and S.
	Descend.
46.50	Bottom of hollow 130 ft. below ridge, course N.
	Ascend.
60.00	Leave timber bears N. and S.
65.00	Top of ridge 250 ft. above hollow bears NW and SE.
	Descend abruptly.
72.44	Intersect W. bdy. of Tp. 13.23 chs. S0°12'W of the old cor.
	of Tps. 36 and 37 S. Rs. 9 and 10 W. heretofore described.
	Set a sandstone 18x10x8 ins., 12 ins. in the ground, for
	closing cor. of secs. 6 and 7; mkd. CC on E. 1 groove on
	N. and 5 grooves on S. faces; and raise a mound of stone
	2 ft. base 1 $\frac{1}{2}$ ft. high E. of Cor.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Land mountainous.

Soil, gravelly; 3rd. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 72.44 chs.

N. 0° 03' W. on a random line bet. secs. 5 and 6.

13.84 Intersect N. bdy. of Tp. 7 1/2 Sec. 5. of the cor. of secs. 5, 6, 31 and 32, heretofore described.

Thence I run

S. 0° 15' W. on a true line bet. secs. 5 and 6.

Over mountainous land; through scattering timber and dense undergrowth.

Ascend.

3.50 Enter swampy ground bears N. and E.

5.50 Leave swampy ground bears E. and N.

Enter heavy timber bears E. and N.

6.30 Spring branch 1 ft. wide 1 ft. deep, course N. 20° E.

Begin more abrupt ascent bears NW and SE.

13.84 The cor. of secs. 5, 6, 7 and 8.

Land mountainous.

Soil, gravelly loam; 2nd. rate.

Timber, pine, balsam, spruce and aspen.

Undergrowth, oak, serviceberry and chokecherry.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth, 13.84 chs.

Subdivision of T.37 S., R.9 W.-Continued.

Chains.

Sept.28, 1910.

September 29, 1910: I return to the meridian established September 10, 1910, at the cor. of secs. 35 and 36 on S. 1/2 of the Tp. At 7h' 51m a.m., l.m.t., I set off $37^{\circ} 33'$ N. on the lat. arc; $2^{\circ} 11'$ S. on the decl. arc; and test the adjustments of my solar, finding it gives the same meridian as before, and adjustments correct.

September 29, 1910.

GENERAL DESCRIPTION.

This township is mostly mountainous; it embraces the Southeasterly portion of the breaks of Cedar or Coal Creek canon on the northeast, a high plateau known as Blowhard on the East, with lower ranges of mountains cut with numerous hollows and ravines on the S., W. and NW. A high range of mountains crossing the township in a Northeasterly and Southwesterly direction forms a watershed from which the general course of the drainage is to Cedar or Coal Creek Canon on the North and to the Virgin River on the South. The Blowhard Plateau forms a watershed which turns the drainage to the E. and SE, and finally to the Sevier River.

The township contains a variety of soils; clay and

Subdivision of T.37 S., R.9 W.-Continued.

sandy loams; heavy clay of various hues, gravelly loam and stony and rocky ground.

There is an abundance of pine, spruce, balsam and aspen timber, suitable for mining timber, telephone poles, house and barn timber, fencing and fuel; and there is some saw timber in various parts of the township, principally near the head of Cedar or Coal Creek canon.

A variety of undergrowth shubbery and grasses are distributed throughout the township, except in the breaks of Cedar or Coal Creek Canon, which afford excellent grazing.

No minerals or mining locations were found in the township.

The township is well watered on the N. and NW with several branches of Cedar or Coal Creek, which generally head in the breaks of Cedar or Coal Creek Canon and numerous small springs, and with Deep Creek and Kanarra Creek and a number of other small streams and springs on the S. and SW, and by Long Valley Creek and a number of small springs on the East. The streams and springs in the township are generally clear, cold and sparkling; there are, however, several milky streams issuing from the foot of high ledges in the breaks of Cedar Canon from a grayish, sticky clay soil. These streams may be seen running almost parallel with the clear crystal streams and finally joining and mixing with them. During the stormy period streams of various hues or colors may be seen issuing from the breaks of the canon.

There are a number of settler's in the township, but there are no towns, cities or villages therein.

The township lies wholly within the Sevier Forest Reserve and is under forest regulations.

Subdivision of T.37 S., R.9 W., Continued.

There is an old cabin and corral in SW $\frac{1}{4}$ of sec. 12, value about \$100.00; claimant unknown.

John E. Westerhold, at "CRYSTAL", in SE $\frac{1}{4}$ of sec. 8; has a dwelling house, milk or dairy house, corral, calf pen, and about 40 acres enclosed with pole and log fence as pasture, with boxed spring, irrigation ditches etc., value about \$700.00.

Daniel S. Pendleton, now deceased, in NW part of sec. 5; has two old unfinished cabins and corral, value about \$100.00.

William W. Lunt in SE $\frac{1}{4}$ of sec. 7; has dwelling house, and small garden fenced and cultivated, value about \$300.00.

Lamoni L. Jones, now deceased, in SE $\frac{1}{4}$ and SW $\frac{1}{4}$ of sec. 7; has a dwelling house, dairy house, corral, calf pen, spring boxed and fenced, with small cultivated garden. fenced, value about \$650.00. .
Two cabins and corral in NW $\frac{1}{4}$ of sec. 7, value about \$100.00; claimant unknown.

George Wood in sec. 18; has dwelling house, dairy house, corrals, calf pen, pasture and cultivated land, about 80 acres enclosed with pole and log fence and spring piped to house, value about \$1000.00.

Thomas Jessup, now deceased, in SE $\frac{1}{4}$ sec. 18; has an old cabin and corral, value about \$100.00.

Edwin C Walker in NE $\frac{1}{4}$ of sec. 18; has dwelling house, corral, value about \$250.00.

Thomas Walker, in SW $\frac{1}{4}$ of sec. 17; has dwelling house, dairy house, corral, small garden enclosed with log and pole fence, value about \$350.00.

Evan Williams in SW $\frac{1}{4}$ sec. 21; has a dwelling house, dairy house, corral and pasture enclosed with

Subdivision of T.37 S., R.9 W.-Continued.

pole and log fence, value about \$450.00.

John Statzer in SW $\frac{1}{4}$ sec.20; has an old cabin and corral, value about \$100.00.

Francis Webster now deceased in SE $\frac{1}{4}$ sec.20; has an old unfinished cabin and corral, value about \$50.00.

Mary Gower a widow in NW $\frac{1}{4}$ sec.19; has a cabin, milk house, corral, calf pen, value about \$250.00.

Helman Webster in NW $\frac{1}{4}$ of sec.29; has a dwelling house, dairy house, two corrals, and about $\frac{1}{4}$ acre fenced and cultivated, value about \$500.00.

William Williams near center of sec.27, not seen from line, has a dwelling house, dairy house, corral, with small garden enclosed with fence and cultivated, value about \$300.00.

Lyrum Thomas Reese in SE $\frac{1}{4}$ of sec.33; has a dwelling house, dairy house, barn, corral, boxed spring, fenced pasture and field with cultivated land, value about \$400.00.

A cabin and corral in NE $\frac{1}{4}$ sec.33, unfinished reported to belong to John Adams, value about \$25.00.

Frank B Webster in NE $\frac{1}{4}$ sec.33; has a cabin, corral, and small cultivated garden, with fence around the same, value about \$150.00.

Thomas J. Webster near center of sec.31, not seen from line; has a cabin and corral, value about \$100.00.

The township is agricultural in character and most valuable for grazing and pasturage and for dairy purposes.

September 29, 1910.

Mayhew H. Dalley
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Mayhew H. Dalley

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Subdivision of TP.No.37 S., of R.No.9 W., of the Salt Lake Base and Mer.

showing the respective capacities in which they acted:

- Hillman Dalley, Chairman.
Edward H. Parry, Chairman.
James A. Tweedie, Moundman.
Edward H. Parry, Moundman.
James A. Tweedie, Arman.
Maeser Dalley, Arman.
Maeser Dalley, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Mayhew H. Dalley

United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision of Tp.No.37 S. of R.No.9 W.

of the Salt Lake Base and meridian State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for the State of Utah.

Hillman Dalley, Chairman.
Edward H. Parry, Chairman.
James A. Tweedie, Moundman.
Edward H. Parry, Moundman.
James A. Tweedie, Arman.
Maeser Dalley, Arman.
Maeser Dalley, Flagman.

Subscribed and sworn to before me this 18th day of October, 1910

My Commission expires May 16th. 1911. Notary Public, Iron County, Utah. Senora L. Dalley

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Mayhew H. Dalley, United States Deputy Surveyor,
 solemnly swear that, in pursuance of a contract received from Thomas Hull
 United States Surveyor General for the State of Utah, bearing date
11th day of June, A.D. 1910, I have well, faithfully, and truly, in my
 proper person, and in strict conformity with the instructions furnished by the United States Surveyor
 General for the State of Utah, the Manual of Surveying Instructions, and the laws of
 United States, surveyed all those parts or portions of Subdivision of Tp. No. 37 S. of
R. No. 9 W.

Base and _____ of the Salt Lake
 meridian, in the State of Utah, which are represented in the
 foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
 swear that all the corners of said survey have been established and perpetuated in strict accordance with
 the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
 General for the State of Utah and in the specific manner described in the field notes, and that
 the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer
 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Mayhew H. Dalley
 United States Deputy Surveyor

Subscribed by said Mayhew H. Dalley, and sworn to before me }
 this 10th day of May, 1912. #185



Charles Adams
 Clerk of District Court.

APPROVAL. Fifth Judicial District,
 Iron Co., Utah.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 20, 1912

The foregoing field notes of the survey of the subdivisional lines of Township
No. 37 South Range No. 9 West of the Salt Lake Base and Meridian,
Utah,

executed by Mayhew H. Dalley
 under his contract No. 321, dated June 11, 1910, 190X, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the
 surveys they describe, are hereby approved.

Thomas Hull
 United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in
 _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General